

Ponnurangam Kumaraguru (PK)

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Professor
Dean of Student Affairs
Visiting Professor, IIT Kanpur
Adjunct Professor, IIIT Hyderabad
ACM India Council Member
TEDx Speaker, ACM Distinguished Speaker

EDUCATION

Ph.D., Computer Science, Carnegie Mellon University, USA. Sep 2004 - May 2009.
Advisor: Dr. Lorrie Faith Cranor

M.S., Computer Science, Carnegie Mellon University, USA. Sep 2004 - May 2007.
Advisor: Dr. Lorrie Faith Cranor

M.S., Software Systems, Birla Institute of Technology and Science, Pilani, India. Dec 2000 - May 2002.
Advisor: Dr. Sandip Deb

B. Eng., Electronics and Communication Engineering, Madras University, India. Apr 1994 - Apr 1998.

PROFESSIONAL EXPERIENCE

Professor - Indraprastha Institute of Information Technology, Delhi, India, Aug, 2019 - Present.

Visiting Professor - Indian Institute of Technology, Kanpur. July 2020 - Present.

Adjunct Professor - International Institute of Information Technology, Hyderabad, India. July 2019 - Present.

Associate Professor - Indraprastha Institute of Information Technology, Delhi, India, July, 2015 - July 2019.

Visiting Associate Professor - International Institute of Information Technology, Hyderabad, India, 1 May, 2018 - 30 June, 2019. On Sabbatical.

Affiliate Faculty - International Institute of Information Technology, Hyderabad, India, 31 August, 2016 - 30 April, 2018

Visiting Researcher - Max Planck Institute for Software Systems, Saarbrücken, Germany, 1 May, 2016 - 31 July, 2016

Assistant Professor - Indraprastha Institute of Information Technology, Delhi, India, 3 Aug, 2009 - 31 June, 2015

Visiting Researcher - Data Security Council of India, 1 Aug, 2015 - July 2016

Visiting Researcher - Adobe Research Lab, Bengaluru, 1 May, 2015 - 31 July, 2015

Visiting Researcher - Adobe Research Lab, Bengaluru, 1 May, 2014 - 31 July, 2014

Visiting Researcher - Mumbai Police, Mumbai, 1 Dec, 2013 - 31 Dec, 2013

Visiting Professor - Department of Computer Science, Federal University of Minas Gerais (UFMG), Brazil, Feb 2011 - July 2013

Visiting Scientist - Ministry of Home Affairs, Delhi, 1 July, 2013 - 31 July, 2013

Visiting Scientist - Indian Institute of Science, Bengaluru, India, Dec 2012 - Jan 2013

Visiting Researcher - Dublin City University, Dublin, June 2012

Research Associate - Carnegie Mellon University (CMU), USA, June 2009 - July 2009

Graduate Research Assistant - Carnegie Mellon University (CMU), USA, Sep 2004 - May 2009

Summer Intern - National Association of Software and Service Companies (NASSCOM), May 2007 - Aug 2007. Advisors: Mr. Kiran Karnik, Mr. Shyamal Ghosh, and Mr. Nandkumar Saravade

Summer Intern - National Association of Software and Service Companies (NASSCOM), May 2006 - Aug 2006. Advisors: Mr. Kiran Karnik, Late Mr. Sunil Mehta and Mr. Nandkumar Saravade

Research Scholar - Carnegie Mellon University, USA, Aug 2003 - Aug 2004. Advisors: Dr. Lorrie Cranor and Dr. Raj Reddy

Research Scientist - Language Technologies Research Centre (LTRC), International Institute of Information Technology (IIIT) - Hyderabad, India, Jan 2003 - Aug 2004. Advisors: Dr. Rajeev Sangal and Dr. VasuDeva Varma

Senior Knowledge Officer - SlashSupport, Inc. India, April 2000 - Dec 2002. Advisors: Dr. Sandip Deb and Mr. Raghuraman

Design Engineer, Genus Overseas Electronics Private Ltd., India, Aug 1999 - March 2000. Advisor: Mr. Tapan Kapoor

TEACHING EXPERIENCE

Aug 2009 – Present.

- Foundations of Computer Security, IIIT Delhi, Fall 2010, Fall 2011, Fall 2014, Fall 2016, Fall 2017, Fall 2020
- Privacy and Security in Online Social Media, IIIT Delhi, Fall 2011, Fall 2012, Fall 2013, Fall 2015, Fall 2017, Fall 2018, Spring 2020, Spring 2021
- Designing Human-Centered Systems, IIIT Delhi, Fall 2012, Spring 2014, Spring 2015, Spring 2016, Spring 2017, Spring 2018, Fall 2019
- Computing for Medicine, IIIT Delhi Fall 2020 (Co-taught with Prof. Tavpritesh Sethi, Department of Computational Biology, IIIT Delhi)
- Big Data & Policing, IIIT Hyderabad, Spring 2019
- Internet Security and Privacy, IIIT Delhi, Fall 2014 (Co-taught with Dr. Mohan Dhawan, IBM - IRL)
- Probability and Statistics, IIIT Delhi, Spring 2012, Spring 2013
- Advanced Research Methods, IIIT Delhi, Spring 2011
- Research Methods, IIIT Delhi, Spring 2010, Spring 2011
- Security in Emerging Technologies, IIIT-Delhi, Spring 2010
- Privacy and Security in Online Social Media (PSOSM) on NPTEL. Spring 2019, Spring 2020, Spring 2021
- Privacy and Security in Online Social Media, IIIT Hyderabad, Fall 2018
- Introduction to Human Computer Interaction on NPTEL. Spring 2018. Had 3000+ students registered and about 250+ students got the final certifications. Course feedback was very good, students and NPTEL team requested me to teach it again.
- Taught a full-credit course on Privacy and Security in Online Social Media. Amrita University. Dec 2017. 15 students took the course. Had B.Tech., M.Tech., and Ph.D. students in the class.

- Privacy and Security in Online Social Media (PSOSM) on NPTEL (Coursera in India). Fall 2017. Had 10,208 students registered and about 500+ students got the final certifications. Course feedback was very good, students and NPTEL team requested me to teach it again.
- Privacy and Security in Online Social Media (PSOSM) on NPTEL (Coursera in India). Fall 2016. 5200+ students registered for the course.
- Security and Privacy, IIIT-Delhi, Fall 2009

Visiting Faculty, Regularly give lectures in the Cybercrime and Online Social Media related courses at CBI Academy, National Police Academy, North Eastern Police Academy, State police and Intelligence organisations, Army War College, and other Government of India organisations. 2013 – Present.

Trainer, July 2013 - Present

Develop and deliver a training program on Using Online Social Media for Policing, Intelligence, Law & Order and Investigation. Conducted in various parts of the country, including IIIT Delhi, in different formats – 1 day, 2 days, 3 days, 4 days, and 5 days. Trained 9,000+ government officers.

Visiting Professor, Department of Computer Science, UFMG, Brazil. Full credit course. Feb 2011 – July 2013.

- Privacy and Security in Online Social Media, Summer 2011
- Privacy and Security in Online Social Media, Summer 2012

Successfully completed the Eberly Center for Teaching Excellence program, Documentation of Teaching Development, Carnegie Mellon University, Spring 2006 - Spring 2008.

Teaching Assistant, School of Computer Science (SCS), CMU

- Mobile and Pervasive Computing Services, Spring 2008
- Web Commerce, Security and Privacy, Fall 2006

Teaching Co-ordinator and Mentor, Master of Science in Information Technology (MSIT), IIIT - Hyderabad, Jan 2004 - Aug 2004. Taught a mini semester course on Introduction to Privacy Technologies. Advised Masters students.

Teaching faculty, IIIT - Hyderabad, Jan 2004 - Aug 2004. Taught a mini semester course on Introduction to Privacy Technologies

Lecturer, Raja Rajeswari Engineering College, Chennai, India, Jan 1999 - Aug 1999

GRANT SUPPORT & FUNDING

- Population Council. Operationalizing Data Quality Framework with Machine Learning and Natural Language Processing. Jan 2021 – Present. 13,39,200
- WISH Foundation. Data Security and Privacy Policy. Sept 2020 – Present.
- Google. Support for teaching CSE501: Designing Human Centered Systems. 25,000
- TCS Research Fellowship Program. With Hitkul Jangid. 2020 – 2024. Ph.D. Thesis Advisor.
- CISCO. Support for organising summer school on Cybersecurity and Data Analytics. Summer 2019. INR 5,00,000
- Defence Research and Development Organisation (DRDO), Government of India. Targeted training programme on “Security testing of network protocols and devices”. Summer 2019. INR 19,54,000
- TCS Research Fellowship Program. With Shivangi Singhal. 2019 – 2023. Ph.D. Thesis Advisor.
- DST UKIERI. An In-depth Analysis of Abuses in Social Media – Integrating Cues from Language, Behavior and Networks. March 2018 - Feb 2020. Co-Principal-Investigator. INR 25,65,800

- ABB. Micro-service and Container approach in Control Systems: Challenges in Security. Dec 2017 - Nov 2021. Co-Principal-Investigator. INR 14,68,000
- Defence Research and Development Organisation (DRDO), Government of India. Aug 2017 - July 2019. Principal Investigator. INR 34,01,200
- IBM India Research Lab. Open Science Collaborative Project. Adversarial Machine Learning. 2017 - 2018. Principal Investigator. INR 2,50,000
- Department of Electronics and Information Technology (DeitY), Government of India. Integrating Open Source Intelligence from Traditional Sources and Online Social Networks for Intelligence Gathering. 2016 – 2020. Principal Investigator. INR 1,68,70,000
- Department of Electronics and Information Technology (DeitY), Government of India. Information Security & Education Awareness (ISEA). The total worth of the project is 96.08 Crore Rupees (approx. 14.7 million USD). Direct funding for IIITD is 1.48 Crore Rupees, Indirect funding is 10+ Crore Rupees. IIITD is one among 40 other institutes from the country in the project. Project duration is for 5 years. This is an institute wide project, spearheaded the proposal phase of the project in getting this project to IIITD.
- Defence Research and Development Organisation (DRDO), Government of India. Sept 2015. INR 9,00,000
- EMC² / RSA. Sept 2015. INR 9,60,000
- Ministry of Home Affairs. June 2015. INR 6,36,000
- Department of Electronics and Information Technology (DeitY), Government of India. To organise the 3rd Security & Privacy Symposium. Jan 2015. INR 1,50,000
- Defence Research and Development Organisation (DRDO), Government of India. To organise the 3rd Security & Privacy Symposium. Jan 2015. INR 1,00,000
- Pricewaterhouse (PcW). To organise Capture The Flag as part of the 3rd Security & Privacy Symposium. Jan 2015. INR 3,00,000
- Adobe. Faculty Excellence Research Award. 2014 - 2017. 15,00,000
- Intel. Creating Course content for Privacy and Security in Online Social Media. 2014 - 2015. INR 12,00,000
- Department of Electronics and Information Technology (DeitY), Government of India. Analyzing and Measuring Trustworthiness of User-Generated Content and Users on Multiple Online Social Media to Counter Cybercrime. 2013 – 2015. Principal Investigator. INR 75,00,000
- Virtual Centre of Excellence for Research in Violent Online Political Extremism. 2012 - 2017. 7th Framework Programme for Research (FP7). PI: Dr. Maura Conway, Dublin City University. Co-PI: Ponnurangam Kumaraguru along with 8 other universities around the world (2 in UK, 2 in Netherlands, 1 in the US, 2 in Denmark, 1 in Hungary). 5,980,704 Euros (INR 41,56,58,928)
- Hemant Bharat Ram Faculty Research Fellowship. To conduct research in the area of security and privacy. 2012 – 2017. Instrumental in creating this Fellowship. Donor contribution INR 20,00,000 and institute contribution INR 20,00,000
- NSF international supplement. Title: Online Privacy and Senior Citizens - A Socio-Technical Multi-Perspective Framework for Trustworthy Operation, #0916612. U.S. PIs: H. Raghav Rao, Shambhu Upadhyaya and Sharmistha Bagchi-Sen, SUNY Buffalo. 2012 - 2013. INR 5,00,000
- Department of Electronics and Information Technology (DeitY), Government of India. Automated Detection of Security and Privacy Threats in Peer-to-Peer networks. PI: Prof. Chittattaranjan Hota, BITS Pilani Hyderabad. INR 61,95,000. Was an external advisor for the project. 2012 – 2015
- TCS Research Fellowship Program. With Anupama Aggarwal. 2012 – 2016. Ph.D. Thesis Advisor. INR 16,70,000

- Department of Science and Technology (DST), Government of India. Under Indo-Ireland Cooperative Science Programme. An inter-disciplinary approach towards building ontology for online extremism. 2011 - 2013. PI. INR 8,36,000
- TCS Research Fellowship Program. With Niharika Sachdeva. 2012 – 2016. Ph.D. Thesis Advisor. INR 16,70,000
- TCS Research Fellowship Program. With Paridhi Jain. 2010 – 2014. Ph.D. Thesis Advisor. INR 16,70,000
- Department of Electronics and Information Technology (DeitY), Government of India. Analyzing Online Content Using Data Mining Techniques to Counter Cyber Crime. 2010 – 2013. PI. INR 81,00,000
- International Development Research Centre (IDRC), Canada and Privacy International, UK. Privacy in India. 2010 – 2012. PI. INR 18,00,000

TECHNOLOGIES DEVELOPED / DEPLOYED

- Wombat Security Technologies acquired for USD 225 Million. My Ph.D. thesis was instrumental in spinning off Wombat in Pittsburgh during my graduate school life. Currently the company has 300+ full time employees <http://www.wombatsecurity.com/> Wombat has raised multi million dollars (USD) and the services are being used by government agencies in the US and other countries, and other industry organizations. On March 1, 2018 Wombat got acquired by Proofpoint NASDAQ: PFPT a large California based security company. Press release <https://www.proofpoint.com/us/newsroom/press-releases/proofpoint-completes-acquisition-wombat-security> PhishGuru: A System for Educating Users about Semantic Attacks and Anti-Phishing Phil: A game that teaches people on how to identify malicious links and URLs. Both PhishGuru and Phil are part of technologies that are sold by Wombat Security Technologies. My Ph.D. thesis was instrumental in spinning off this company in Pittsburgh. Currently the company has many full time employees other than founding faculty and then students like me. <http://www.wombatsecurity.com/> Wombat has raised multi million dollars (USD) and the services are being used by government agencies in the US, and other industry organizations. Wombat raised series B funding for USD 6.7 million. Wombat received multiple awards, a few: Global Excellence Award for Security Training and Educational Programs; Top Tech Company to Watch in Pittsburgh; Gold Winner of Information Security Product's Guide "Tomorrow's Technology Today"; Bronze Winner of Information Security Product's Guide "New Product Award". Other industry organizations both in India and abroad have used the techniques and approaches developed in PhishGuru and Phil to develop their products, e.g. PhishMe, Cognix.
- Saftie / KillFie: I am super thrilled with the way our work on Selfie Deaths has caught the imagination of public. Roughly there are at least 1 new media article per week published / referred the KillFie research from Spring 2017. Every death that happens because of Selfies, has some reference to our work. We have currently developed multiple solutions to address the KillFies, Saftie Facebook Chatbot <https://www.facebook.com/saftiebot> Saftie Android Application <https://play.google.com/store/apps/details?id=com.something.vedant.crowdsourcing> There was even a lot of interest on a TED talk around this topic; gave a TED talk on "Saving Lives: How Many Likes Is Your Life Worth?" capturing our research on KillFies. Talk available at <https://youtu.be/VTMSNOX2JIA> A few of the media articles are presented below, for a comprehensive list please search for "selfie deaths" in google. I have also been on TV, Radio both nationally and internationally multiple times discussing this topic. Using the Saftie app, we have marked 1000+ location as verified dangerous around the world; each location is verified if more than 3 users mark it as dangerous. We also built a Saftie Camera App <http://bit.ly/saftie-cam> for users to be nudged when trying to take a dangerous selfies.
 - <https://economictimes.indiatimes.com/magazines/panache/lifestyle/selfies-can-be-deadly-and-india-leads-the-way/articleshow/62964327.cms>
 - <https://www.npr.org/sections/goatsandsoda/2017/11/14/563255936/india-declares-war-on-unsafe-selfies>
 - <https://factordaily.com/longform/selfie-death-in-india/>

Shri. Nitin Gadkari, Minister of Road Transport & Highways talks about being careful while taking Selfies in this video <https://www.youtube.com/watch?v=QZdP-G-F0a8> Video has 150+ Million views (video was uploaded on June 23, 2017) and the video references work by IIIT Delhi at the bottom right of the video "Source: Researchers at Precog@IIIT Delhi". Was invited for a 1 hour program on Good Evening India on our national channel Doordarshan to talk about our KillFie Research. Hasan Minhaj's show on Immigration Enforcement on Patriot Act, Netflix showcased our research <https://www.youtube.com/watch?v=H1g3P3g-Css> Video has close to a million views.

- AASMA: Advanced Application for Social Media Analytics. Fully developed at IIITD. Requested by many state and federal government agencies and armed forces in India.
- WASHKaro (work done with Prof. Tavpritesh Sethi) is an App to provide right information at the right time to right people about COVID. This app obtained a lot of attention including a presentation being made at WHO and many articles written on The Hindu, Times of India, and many more. App had 5,000+ download before it got revoked from the play store.
- Delhi Corona. As part of the Technology Innovation Group setup by Delhi Government, along with Prof. Tavpritesh Sethi and some of our students, we contributed in building this App, which the Chief Minister announced recently. App has 100,000+ Downloads on Google play store.
- Swapeco is a startup with a vision to bring about a systematic change in Indias recyclable waste management problem. Swapecos digital platforms connects the various stakeholders (generators, aggregators and recyclers) of the scrap recycling supply chain and assures 100% transparency & traceability among them. They provide a mobile app for households where they can schedule a hassle free doorstep scrap pickup which is executed by Swapeco trained & verified partner vendors of their area. Similarly, they provide ERP solutions for enterprises & small businesses which connects them with scrap recyclers & aggregators and also enables invoicing & formal payment methods among them. Service is currently available in most parts of Delhi NCR. App has 5,000+ downloads on Google play store with a 4.5 rating. This is a BTP work done with me and I am one of the Advisors of the company.
- Atrillu Media <https://atrillumedia.com/> is a product and digital media company that adds automation to millennial marketing techniques to help brands & organizations exceed beyond their expected potential in the digital ecosystem. Currently among other products, it has illu Drift, Pharma+ During COVID times, Atrillu has been marketing and selling COVID related products. This is a BTP work done with me and I am one of the Advisors of the company.
- #LokSabhaElections2019 Our analysis on was widely referred in media, more than 100+ articles were written on our analysis, including we got featured on NDTV in a show. Details of the analysis, blogs, media coverage, dataset, etc. all available at <http://labs.precog.iiitd.edu.in/elections-2019/>
- A shoot out of my Ph.D. work called APWG Education Landing page <http://phish-education.apwg.org/> is serving 14 million hits per year and it is translated into 21 languages. Updated as of Summer 2015.
- Keeping the theme of Saving Lives, we have been working on Blue Whale issue also. We have built a browser plugin that deducts if users are trying to request for playing the game or playing the role of curator. This project had multiple media attention, including <http://indianexpress.com/article/india/bengaluru-project-aims-at-flagging-potential-curators-victims-of-blue-whale-challenge-5051066/>
- MIME: Memes have become a predominant means of expression in the internet culture they are not only used as a means of entertainment but as an important tool for advertising, spreading propaganda and even political ideologies. However, the creation of memes is limited to a niche community of content creators who are skilled in photo/video editing software. MIME is a platform which empowers people who lack these skills to become a part of the meme conversation. We built a one-stop solution for all meme needs a maker space where people can create memes, a personalized meme feed, and a space to connect with other meme enthusiasts. Further, we hypothesize that a person's meme interests can be an intrinsic indicator of social preferences and can form the basis of strong interpersonal connections. We aim to create a strong community by enabling users to form connections based on similar meme interests. <http://bit.ly/meme-mime>

- **WhatsFarzi:** WhatsApp is the most popular personal messaging service in India, with more than 200 million users, the highest in the world. One of the biggest side effects of WhatsApp's deep penetration, in societies across the world, especially developing countries, is its misuse as a medium to disseminate misinformation. 70+ incidents have led to deaths of 30+ people across India recently because people fell for misinformation they received on WhatsApp. Our goal is tackle this spread of false content on WhatsApp. We have collected data from crowdsourced message reports and public groups. WhatsFarzi will provide you with instant results regarding the authenticity of text/images you receive on WhatsApp. <http://bit.ly/whatsfarzi>
- **Awaaz: My Voice:** An application built on the Freebasics platform which helps in getting citizens to mark their complaints to be raised to the Government. Currently deployed in Africa. Awaaz receives 320+ active users accessing the service everyday.
- **Bugle News:** We built an RSS aggregator service called Bugle News that fetches RSS feeds from news organizations including BBC, CNN, and Reuters, and provides users with corresponding headlines. We built this system on the Freebasics platform. The news stories are organized by topic and country. Users using Bugle News would see these news snippets aggregated from different sources, categorized into eight high level topics (World News, Africa, Asia, America, Science, Sports, Movies&Entertainment and Jobs&Career). There were additional lower level topics for nine countries: South Africa, Zambia and Nigeria within Africa; Philippines, Bangladesh and Pakistan within Asia; and Colombia, Peru and Mexico within America; and two specific sports: Cricket and Football within Sports. The service was offered in English between September 17th and December 15, 2016 and has been available in English, French and Spanish since December 16, 2016. In total, we have had 100,000+ unique visitors to Bugle News until 31st March 2017. On average, we get 1,400 hits on the Bugle news everyday.
- **Facebook Inspector (FbI),** a REST API based browser plug-in for identifying malicious Facebook posts in real time. From the release date, Aug 2015, FbI is downloaded over 2,500 times. FbI received close to 3 million requests (both public and private posts), and out of these FbI evaluated 1+ Million unique public posts. We hit a record 182 daily active users on June 8, 2016. Plugin is available at <https://addons.mozilla.org/en-US/firefox/addon/fbi-facebook-inspector/>
- **Facebook Profile Analyser.** A tool that analyses a Facebook profile to give some interesting analysis like: the different posts done by the profile (status updates, pictures, links, etc.); top 9 profiles that has liked the most number of time of the input profile; yearly / monthly / weekly / daily activities; topics and location from the place where the profiles have posted. We have 630+ public profiles that have been analysed through the system. The system is publicly available at precog.iiitd.edu.in/fbanalysis
- **TweetCred,** A Chrome browser plugin to analyse credibility on Twitter. <http://twitdigest.iiitd.edu.in/TweetCred/> As of Sept 2014, 1500+ Active users and analyzed 12+ million tweets. Updated as of Summer 2015.
- **PhishAri,** a Chrome browser plugin to analyze a given URL in a tweet as phishing or legitimate. <http://precog.iiitd.edu.in/cyber-crime.html#phishari> Analysed 350,000 URLs in real world. Work around this has produced 2 best paper awards. Updated as of Summer 2015.
- **Backpack.** A Learning Management System. The idea is a fall out from the course Designing Human Centered Systems (4 credits, taught in Fall 2012). We have registered a company Backpack Labs around this technology. Web application went online on Aug 1, 2013, total number of courses offered until now are 275 with 4,697 unique users (as on April 2015) in the system. The Android application went online on Dec 1, 2013 with 476 downloads until now. We have 150 active users per day on the Android App. System is 25,000+ LOC and has received over 1000+ feedback mails since launch. Backpack is being used at IIIT-Delhi, IIT Kanpur, IIIT Hyderabad, IIT Bombay, IIT Kharagpur, IIT Madras, IISc Bangalore and many other institutes across India. Updated as of Summer 2015.
- **Wizters** wizters.com A anonymous social networking service. We have a total of 4,500 users. 13,000 posts and photos have been shared. In last 4 months we acquired more than 2,100 users. Interactions served are around 32,000 and total logins are around 21,000. Technology has already been transferred (made real money) to a company in Delhi and they are looking at building a startup around it in the

US. Witzers selected as one of the “Top150 Startup” in the Pioneers Challenge <http://pioneers.io/>
Updated as of Summer 2015.

- MeriAwaaz <http://meriawaazapp.com/> An App to help get the voice of citizens to the Government. 900+ downloads with 1.6 lakhs engagements until April 2015 and approx 20 posts per day on the Dashboard. Already made real money from sales, many deals done with pending deployment. It is currently being used by political parties in Delhi. Updated as of Summer 2015.
- Analytics platform for National Bomb Data Centre / National Security Guard (NSG), Delhi. It was absolutely thrilling to get access to last 15 - 20 years of Bomb attacks around the world, and more detailed data about Bombs attacks in India. We developed a platform from scratch and the tool is currently deployed in their Centre in Manesar near Delhi. The tool allows the officer to feed the data as inputs and do analytics on various dimensions. I had shown the demo of the entire system to the Director General of NSG and the entire team of NBDC, DG was pleased with the tool and its capabilities, he sent me an official appreciation letter for deploying and providing training to the officers. We have done multiple iterations of feedback and bug fixes in the tool.
- Ingage. ingagelive.com Deployed in two organizations where they have paid us for the product and service. One is a Retail Store, and the other one is in Hospitality industry. Updated as of Summer 2015.
- Fair Fare. A system to find the Fare and directions through Autorickshaws, Bus, and Metro in Delhi. Available in both Android and Windows. There are 340 Android users, and 47 of them have rated the app with an average of 4.38 on 5 scale. Updated as of Summer 2015.
- OCEAN. Open-source Collation of eGovernment data And Networks. A system where you can search for any citizens in Delhi and the system will return information like Drivers License number, PAN card details, etc. We have used all the publicly available information for doing this analysis. 1,000+ users have used the system. Updated as of Summer 2015.
- Tour De Delhi App helps in getting information about tourist spots in Delhi. The App was built as part of CSE 501: Designing Human Centered Systems course in Spring 2014.

PATENTS / FILED

- Payal Bajaj, Mridul Kavidayal, Priyanshu Srivastava, Md Nadeem Akhtar, and Shriram Revankar. A method for Auditing and Augmenting User-generated Tags for Digital Content. United States Patent Office. US10296635B2. Granted in 2019.
- Balaji Srinivasan, Shriraj Bhardwaj, Akash Verma, and Priyanja Singh. Monitoring Social Media for Breach of Organizational Privacy. United States Patent Office. US10218724B2. Granted in 2019.
- Kokil Jaidka, Niyati Chhaya, Prakhar Gupta, Sajal Rustagi, Kaushik Ramachandran, Ponnurangam Kumaraguru. Tracking Changes in User-Generated Textual Content on Social Media Computing Platforms. United States Patent Office. US9817893B2. Granted in 2017.
- Niyati Chhaya, Deepak Pai, Dhwanit Agarwal, Nikaash Puri, Paridhi Jain, and Ponurangam Kumaraguru. Automatic Aggregation of Online User Profiles. United States Patent Office. US10296546B2. Granted in 2019.
- Rishiraj Saha Roy, Guna Prasaad Jeganathan, Aishwarya Padmakumar, and Ponnurangam Kumaraguru. Automated Linguistic Personalization of Ad Messages for Targeted Campaigns. Patent application number P4592-US, United States Patent Office, filed in 2014 (Patent pending).

INTERNATIONAL / INDUSTRY COLLABORATIONS (Current / Past)

- Naukri.com, Delhi, India. Fall 2018 - Present.
- MIT, USA. Collaborator: Dr. Kiran Garimella. Fall 2018 - Present.
- IBM Research Labs, Delhi, India. Collaborator: Dr. Sameep Mehta. Summer 2016 - 2018.
- Info Edge Limited, Delhi, India. Collaborator: Nitendra Rajput. Summer 2017 - 2018.

- Max Planck Institute for Software Systems, Saarbrucken, Germany. Collaborator: Dr. Krishna Gum-madi. Summer 2016 - Fall 2018.
- ETH Zurich. Collaborator: Dr. David Garcia. Summer 2016 - Spring 2018.
- GaTech, Atlanta / USA. Collaborator: Prof. Mustaque Ahamad, April 2014 - Present & Prof. Munmun De Choudhury, Fall 2015 - Spring 2018.
- Adobe Research Labs, Bengaluru, India. Collaborator: Dr. Niyati Chhaya. Summer 2014 - Spring 2018.
- Ebiquty research group at University of Maryland Baltimore County (UMBC), USA. Collaborator: Prof. Anupam Joshi. Jan 2012 - Spring 2018.
- Information Sciences Institute (ISI) of University of South California (USC), USA. Collaborators: Prof. Kristina Lerman and Prof. Emilio Ferrara. Jan 2011 - Fall 2016.
- Center for Interdisciplinary Studies in Security and Privacy (CRISSP) at NewYork University Abu Dhabi. Collaborators: Prof. Nasir Memon, Prof. Mustaque Ahamad, Dr. Payas Gupta. April 2014 - Fall 2016.
- Qatar Computing Research Institue (QCRI), Qatar. Collaborators: Dr. Carlos Castillo and Dr. Patrick Meier. Spring 2014 - Fall 2015.
- SPIES (Security and Privacy in Emerging Computing and networking Systems) research group at University of Alabama, USA. Jan 2012 - May 2014.
- Department of Computer Science (DCC), Federal University of. Minas Gerais (UFMG),Brazil. Col-laborators: Prof. Virgilio Almeida, Prof. Fabricio Benevenuto, and Prof. Wagner Meira. June 2011 - Jan 2014.
- School of Law and Government, Dublin City University, Ireland. Collaborator: Prof. Maura Conway. Jan 2012 - Fall 2014.
- School of Law and Government, Limerick University, Ireland. Collaborator: Prof. Lisa McInerney. Jan 2012 - July 2013.
- Computer Science Department (DECOM) of Federal University of Ouro Preto (UFOP), Brazil. Col-laborator: Prof. Fabricio Benevenuto. Aug 2010 - Dec 2011.
- Institute of Information Security, ETH Zurich. Collaborator: Prof. Srdjan Capkun. Nov 2009 - July 2011.

ACADEMIC ADVISING

- Graduated Ph.D. students (Information only on what they did just after graduation)
 1. Sawinder Kaur (2016 - 2021). Title: Fake Content Detection System for Multimodal Signals over Social Media. Thapar University, Punjab. Co-advised with Prof. Prateek Bhatia.
 2. Rishabh Kaushal (2015 - oct 2020). Title: User Identity Linkage: Data Collection, DataSet Biases, Method, Control and Application. Assistant Professor, IGDTUW, Delhi.
 3. Srishti Gupta (2013 - May 2019). Title: Identifying and Mitigating Cross-Platform PhoneNumber Abuse on Social Channels. Data Scientist at American Express, Delhi.
 4. Prateek Dewan (2012 - 2017). Title: Techniques for Automating Quality Assessment of Context-specific Content on Social Media Services. Data Scientist at Apple, Bengaluru.
 5. Niharika Sachdeva. Social Media and Policing: Computational Approaches to Enhancing Collaborative Action between Residents and Law Enforcement. 2011 - 2017. Senior Scientist at Philips Research, Bengaluru.
 6. Paridhi Jain. Automated Methods for Identity Resolution across Online Social Networks. 2010 - 2016. Data Scientist at Xerox Research Centre India (XRCI), Bengaluru.

7. Aditi Gupta. Designing and Evaluating Techniques to Mitigate Misinformation Spread on Microblogging Web Services. 2010 – 2015. University of Maryland, Baltimore County (UMBC), USA.

- Current Ph.D. students

1. Ritwik Mishra (Fall 2019 - Present), Co-advised with Prof. Rajiv Ratn Shah, IIIT Delhi
2. Hitkul (Fall 2018 - Present), Co-advised with Prof. Rajiv Ratn Shah, IIIT Delhi
3. Saurabh Gupta (Fall 2018 - Present), Co-advised with Prof. Arun Balaji Buduru, IIIT Delhi. ABB Ph.D. Fellow.
4. Tulasi Venkata Chyavan Avinash (Fall 2018 - Present), Co-advised with Prof. Arun Balaji Buduru, IIIT Delhi
5. Nidhi Goyal (Fall 2018 - Present), Co-advised with Dr. Niharika Sachdeva, InfoEdge Ltd. Nidhi is a recipient of Prime Minister Ph.D. Fellowship.
6. Shivangi Singhal (Spring 2018 - Present), Co-advised with Prof. Rajiv Ratn Shah, IIIT Delhi
7. Neha Kumari (Spring 2018 - Present), Co-advised with Prof. Arun Balaji Buduru, IIIT Delhi
8. External Ph.D. students, all of them co-advised with local faculty at respective institutes
 - (a) Prashant Kodali (Spring 2019 - Present), Co-advised with Prof. Manish Shrivastava, IIIT Hyderabad
 - (b) Anuradha Gupta, IIIT, Delhi. Alumni of IIITD, Pioneer batch / M.Tech. Class of 2012
 - (c) Nishtha Phutela, BML Munjal, Delhi. Alumni of IIITD, M.Tech. Class of 2015. Co-advised with Prof. Goldie Gabrani

- Graduated M.S. / M.Tech. students (Thesis advisor) (Information only on what they do just after graduation)

1. Mohit Chandra (IIITH). Towards A More Holistic Approach On Online Abuse and Antisemitism. Co-Advised with Prof. Manish Shrivastava, IIITH. June 2019 - Spring 2021.
2. Devansh Manu (IIITH). Lok Sabha Elections 2019: Analysing the Online Political Battlefield in India. June 2019 - Sept 2020. Co-Advised with Prof. Radhika Krishnan. American Express, UK.
3. Shreya Jain (IIITH). Characterizing and Detecting Livestreaming Chatbots. Jio Mobile. July 2018 – July 2020.
4. Arpita Chandra (IIITH). Unsupervised Machine Learning Approach to Analyzing Social Behaviors in an Online Multi-Player Game. UX Researcher, glu Mobile, Hyderabad. Oct 2019.
5. Indraneil Arun Paul (IIITH). Insights, Analysis and Prediction of Verified Users on Twitter. Sept 2019. Amazon, Hyderabad.
6. Vaibhav Garg. Detecting Fake Profiles on Online Matrimony. June 2019. Ph.D. student at NCSU.
7. Vani Agarwal. Content Moderation Across Multiple Platforms with Capsule Networks and Co-Training. June 2019. Directi Web Technology Group. Co-advised with Prof. Arun Balaji Buduru.
8. Gurpriya Bhatia. WorkerRep: Building Trust on Crowdsourcing Platform Using Blockchain. July 2018. TCS Innovations Lab. Co-advised with Dr. Alpana Dubey, Accenture Labs, Bengaluru.
9. Simran Saxena. Confidentiality Protection in Crowdsourcing. Defended in April 2018.
10. Indira Sen. Detecting Inorganic Engagement on Instagram. Defended in Dec 2017. Pursuing Ph.D. at GESIS, Klön / Germany.
11. Srishti Chandok, 2017, Nucleus Software
12. Mayank Verma, Jaypee Institute of Information Technology (JIIT), 2017. Co-Advised with Anuradha Gupta, IIIT
13. Sonal Goel, IIITD, 2014. Research Associate, IIITD
14. Pradyumn Nand, IIITD, 2014. MakeMyTrip, Delhi

15. Abhishek Bhola, IIITD, 2014, Currently at Hikari Tsushin Inc., Japan
 16. Sudip Mittal, IIITD, Dual degree, Ph.D. student at University of Maryland Baltimore County (UMBC), USA
 17. Neha Gupta, IIITD, 2014, EMC²
 18. Prachi Jain, IIITD, 2013, Ph.D. student at Indian Institute of Technology, Delhi (IITD)
 19. Srishti Gupta, IIITD, 2013, Ph.D. student at IIITD
 20. Sandhya Krishnan, UMBC, 2013, Walmart Labs, USA
 21. Tatiana Pontes Soares Rocha, UFMG, 2013
 22. Anupama Aggrawal, IIITD, 2012, Ph.D. student at IIITD
 23. Tiago Rodrigues de Magalhes, UFMG, 2012, SambaTech, Brazil
 24. Komal Sachdeva, IIITD, 2012, Microsoft India
- Current M.Tech. / Masters students
 - Shreya Sharma (IITK), Aug 2020 - Present. Co-Advised with Prof. Amey Karkera, IITK
 - Past Research Associates
 - Shwetanshu Singh, Jan 2018 - June 2020. Masters student at New York University.
 - Shubham Gupta, March 2018 - Aug 2019. Masters student at Carnegie Mellon University.
 - Shubham Singh, Jan 2018 - June 2020. Ph.D. student at University of Illinois at Chicago
 - Gurpreet Bhatia, Sept 2017 - Aug 2019. Masters student at University of Michigan, Ann Arbor
 - Aprit Merchant, Jan 2018 - Dec 2018. Pursuing Ph.D. in CS at Alto University, Finland
 - Dhruv Kuchhal, May 2018 - May 2019. Pursuing Ph.D. in CS at Georgia Tech, USA
 - Sarthak Ahuja, May 2017 - July 2017. Pursuing MS in Robotics at Carnegie Mellon University
 - Sonu Gupta, May 2017 - Dec 2018
 - Sonal Goel, July 2016 - July 2017. Data Scientist at Delhivery
 - Neha Jawalkar, April 2016 - Dec 2016.
 - Divyansh Agarwal, April 2016 - April 2018. Pursuing MS in Data Science at Carnegie Mellon University
 - Kushagra Bhargava, April 2016 - May 2018. Pursuing MS in CS at University of Southern California
 - Saravana Kumar, Dec 2016 - May 2017. Pursuing MS in CS at Ohio State University.
 - Yatharth Sharma, April 2015 - Aug 2016. Completed Masters in CS at Arizona State University in 2018. Now at Oracle, USA.
 - Gandeewan R, September 2015 - April 2016. Completed Masters in CS at Carnegie Mellon University in 2018. Now at Niantic Inc.
 - Dushyant Dhyani, July 2015 - Dec 2015
 - Archit Srivastava, May 2016 - July 2016. Completed Masters in CS at University of Southern California in 2018. Now at Facebook Inc USA.
 - Nilaksh Das, June 2014 - July 2015. Completed Masters in CS at Georgia Tech in 2017 and pursuing Ph.D. in CS at Georgia Tech.
 - Mayank Gupta, July 2013 - July 2014 Completed Masters in CS at Georgia Tech, now works for Apple Inc, Cupertino, USA.
 - Graduated UG students (Thesis advisor) (Information only on what they do just after graduation)
 - Aanshul Sadaria, IIITH, 2020

- Dasireddy Sai Shritishma Reddy, IIITH, 2020
- Snehal Gupta, IIITD, 2020
- Suryatej Reddy Vyalla, IIITD, 2020
- Vedant Nanda, IIITD, 2019, Ph.D. in CS at University of Maryland & MPI-SWS
- Abhinav Khattar, IIITD, 2019, MS. in CS at Carnegie Mellon University
- Parimi Viraj, IIITD, 2019, MS at Carnegie Mellon University
- Dattatreya Mohapatra, IIITD, 2019
- Shiven Mian, IIITD, 2019, MS in CS at University of California Davis
- Shrey Bagroy, IIITD, 2018, MS in CS at Carnegie Mellon University
- Varun Bansal, IIITD, 2018, Myntra Designs Private Limited
- Kushagra Singh, IIITD, 2018, Myntra Jabong
- Lohitaksh Parmar, IIITD, 2018, AirTel X Labs
- Mansi Goel, IIITD, 2018, MS in CS at University of Maryland
- Nalin Gupta, IIITD, 2018, MS in CS at North Eastern University
- Sahar Siddiqui, IIITD, 2018, MS in CS at NewYork University
- Siddharth Singh, IIITD, 2018, Microsoft India, Hyderabad
- Anshuman Suri, IIITD, 2018, Microsoft India, Hyderabad
- Karan Grover, IIITD, 2017
- Tushar Gupta, IIITD, 2017
- Ayush Shah, IIITD, 2017, IBM-IRL
- Bhavna Nagpal, IIITD, 2017, Pursuing Masters in Design at IIT Guwahati
- Juhi Bhatnagar, IIITD, 2017, Pursuing Masters in CS at Rice University
- Mayank Vachher, IIITD, 2017, Pursuing Masters in CS at Simon Fraser University
- Aditi Mithal, IIITD, 2017, Pursuing Masters in CS at UCLA
- Amod Kant Agrawal, IIITD, 2017, Pursuing Masters in CS at UIUC
- Megha Arora, IIITD, 2016. Pursuing Master in Computer Science at Carnegie Mellon University
- Manan Gakhar, IIITD, 2016
- Shashank Gautam, IIITD, 2016. KPMG Delhi.
- Danish Goel, IIITD, 2016
- Shrey Gupta, IIITD, 2016
- Ananya Harsh Jha, IIITD, 2016
- Rohan Katyal, IIITD, 2016. Pursuing Master in Human Computer Interaction at GeorgiaTech
- Mansi Panwar, IIITD, 2016
- Srishty Saha, IIITD, 2016. Pursuing Master in Computer Science at UMBC, USA
- Jayasi Mehar, IIITD, 2015, UrbanClap, starting Summer 2015
- Apoorv Singh, IIITD, 2015, Myntra, Bengaluru starting Summer 2015
- Nilaksh Das, Delhi Technical University, 2014, Currently pursuing Masters in Computer Science at Georgia Tech, USA
- Raghav Anand, IIITD, 2014, Pursuing Masters in HCI in Carnegie Mellon University
- Sampoorna Biswas, IIITD, 2014, Pursuing Masters in CS at University of British Columbia, Canada
- Karan Gupta, IIITD, 2014, Pursuing Masters in CS / HCI at University of Washington

- Apoorv Narang, IITD, 2014. Co-Founded Backpack – Pursuing Masters in HCI in Carnegie Mellon University starting Fall 2015
 - Apoorv Saini, IITD, 2014. Employed at Hikari Tsushin Inc. – Workomg full time on Wizters as a startup starting Summer 2015
 - Aditya Kumar Nayak. IITD, 2014. Co-Founded Ingage & Meri-Awaaz
 - Akshit Chhabra, Delhi Technical University, 2013. Employed at Housing.com
 - Kanika Goyal, Delhi Technical University, 2013, Employed at Microsoft India
 - Mayank Gupta, Delhi Technical University, 2013. Research Associate at IIIT Delhi – Pursing Masters in Computer Science at Georgia Tech, USA starting Fall 2014. Working at Apple Inc. as of Fall 2016.
 - Mayank Pundir, IITD, 2013, Completed Masters in Computer Science at University of Illinois at Urbana-Champaign (UIUC), USA. Joined Facebook, Hacker Way in Fall 2015
 - Raghav Sethi, IITD, 2013, Completed Masters in Computer Science at Princeton University, USA. Joined Facebook, Hacker Way in Fall 2015
 - Soumya Vardhan Singh, IITD, 2014. Employed at Adobe India
 - Vani Sivasankar, IITD, 2013. Employed at Adobe India
 - Ashwin Rajadesingan, VIT University, 2012. Finished Masters in CS at Arizona State University, USA and employed at Doximity, California.
 - Kanika Narang, IITD, 2012, Currently pursuing Ph.D. in CS at University of Illinois at Urbana-Champaign (UIUC), USA
 - Hemank Lamba, IITD, 2012, Currently pursuing Ph.D. in CS at Carnegie Mellon University
 - Sidhartha Chhabra, Delhi Technical University, 2011, Currently pursuing Ph.D. in CS at Michigan State University
 - Dipesh Kumar Singh, Sikkim Manipal Institute of Technology (SMIT), Sikkim, Employed at TCS, India
 - Sunil Kumar Ghai, Delhi Technical University, 2010. Employed at IBM Research Labs, India, 2010 to 2015 – Doing a startup in Bengaluru starting 2015
- Current UG Thesis students
 - IIIT Delhi - 7 (Advisor), 9 (Co-Advisor)
 - IIIT Hyderabad - 9 (Advisor)

ENTREPRENEURSHIP EXPERIENCE

Faculty Advisor, SevaShop, Spring 2021 – Present

Faculty Advisor, Swapeco, Spring 2019 – Present

Advisor, Atrillu Media, Spring 2020 – Present

Saarthi, iSPIRT. <http://www.ispirt.in/> Oct 2014 - Fall 2015 .

Inventor, Wombat Security Technologies, Pittsburgh, USA. wombatsecurity.com

Co-Founder and Advisor, Backpack Labs Limited, India. backpacklabs.in

Co-Founder and Advisor, Wizters, India. wizters.com

Co-Founder and Advisor, MeriAwaaz, India. <http://meriawaaz.com/>

Co-Founder, Innovate Delhi Entrepreneurship Academy, India. innovatedelhi.com

Advisor, Ingage, India. ingagelive.com

Faculty Advisor, Find A Way, India. findaway.in

CONSULTING

- Advisor, Inneffu, Delhi, Jan 2018 - 2019
- Advisor, Bosch India, Bengaluru, Jan 2017 - Feb 2018
- Data Security Council of India, Aug 2015 - Feb 2016
- PwC, Delhi, India, Dec 2014 - March 2015
- MixOrg, Technical Advisor, Delhi, India, Jan 2014 - Jan 2015
- Innefu Labs Pvt.Ltd., Delhi, India, Feb 2011 - Sept 2011
- IBM, India Research Lab (IRL), Delhi, India, Feb 2010 - July 2010

SELECTED PUBLICATIONS

Book Chapters

1. Rajput, K., Kapoor, R., Mathur, P., Hitkul, **Kumaraguru, P.**, and Shah, R. Transfer learning for detecting hateful sentiments in code-switched language. In Deep learning based approaches for sentiment analysis. Springer.
2. Dewan, P., Bagroy, S., and **Kumaraguru, P.** Hiding in Plain Sight: The Anatomy of Malicious Pages on Facebook. Lecture Notes in Social Networks. Springer, 2017.
3. Gupta, A., **Kumaraguru, P.** Misinformation on Twitter during Crisis Events. Encyclopedia of Social Network Analysis and Mining (ESNAM). Springer publications. 2012.

Journal

1. Manu, D., Krishnan, R., and **Kumaraguru, P.** Analysing How the Shift in Discourses on Social Media Affected the Narrative Around the Indian General Election 2019. In Journal of Advanced Research in Social Sciences Vol 3 No. 1 (2020).
2. Geetha, R., Karthika, S., and **Kumaraguru, P.** Will I Regret for This Tweet? Twitter Users Behavior Analysis System for Private Data Disclosure. In The Computer Journal May 2020.
3. Kaur, S., Kumar, P. and **Kumaraguru, P.** DeepFakes: temporal sequential analysis to detect face-swapped video clips using convolutional long short-term memory, Journal Electronic Imaging, 29(3), 033013 (2020), doi: 10.1117/1.JEI.29.3.033013.
4. Kaur, S., Kumar, P. and **Kumaraguru, P.** Detecting clickbaits using two-phase hybrid CNN-LSTM biterm model. In Journal of Expert system with applications, 2020.
5. Kaur, S., Kumar, P., and **Kumaraguru, P.** Automating Fake News Detection System using Multi-level Voting Model accepted at Journal of Soft computing. 2020.
6. Gupta, S., Bhatia, G., Suri, S., Kuchhal, D., Gupta, P., Ahamad, M., Gupta, M., and **Kumaraguru, P.** Angel or Demon? Characterizing Variations Across Twitter Timeline of Technical Support Campaigners. Journal of Web Science. 2019.
7. Pattisapu, N., Gupta, M., **Kumaraguru, P.**, Varma, V. A Distant Supervision Based Approach to Medical Persona Classification. Accepted at Journal of Biomedical Informatics. 2019.
8. Goel, M., Agrawal, A., Garcia, D. and **Kumaraguru, P.** Collective Aspects of Privacy in the Twitter Social Network. At The European Physical Journal Data Science 2018.

9. Halevi, T., Memon, N., Lewis, J., **Kumaraguru, P.**, Arora, S., Dagar, N., Aloul, F., and Chen, J. Cultural and Psychological Factors in Cyber-Security. *Journal of Mobile Multimedia*, Vol. 13, Nov. 1 & 2 (2017) 043 - 056.
10. Dewan, P., **Kumaraguru, P.** Facebook Inspector (FbI): Towards Automatic Real Time Detection of Malicious Content on Facebook. At *Journal of Social Network Analysis and Mining (SNAM)*, 2017. Volume 7, Issue 1.
11. Mohamed, M., Gao, S., Sachdeva, N., Saxena, S., Zhang, C., **Kumaraguru, P.**, and van Oorschot, J. On the Security and Usability of Dynamic Cognitive Game CAPTCHAs. Accepted in *Journal of Computer Security (JCS)*, 2017.
12. Jain, P., **Kumaraguru, P.**, and Joshi, A. Other Times, Other Values: Leveraging Attribute History to Link User Profiles across Online Social Networks. *Journal of Social Network Analysis and Mining (SNAM)*, 2016.
13. **Kumaraguru, P.**, Sheng, S., Acquisti, A., Cranor, L., and Hong, J. *Teaching Johnny Not to Fall for Phish*. In *Association for Computing Machinery's Transactions on Internet Technology (TOIT)*. 2010.
14. Karat, J., Bertino, E., Li, N., Ni, Q., Brodie, C., Lobo, J., Calo, S. B., Cranor, L. F., **Kumaraguru, P.**, and Reeder, R. W. *A Policy Framework for Security and Privacy Management*. *IBM Journal of Research and Development, Harmonizing Security and Privacy*, Volume 53, Number 2, 2009.

Conferences and Workshops

1. Chandra, M., Pathak, A., Dutta, E., Jain, P., Gupta, M., Shrivastava, M., and **Kumaraguru, P.** AbuseAnalyzer: Abuse Detection, Severity and Target Prediction for Gab Posts. In *28th International Conference on Computational Linguistics (COLING)* 2020.
2. Goel, A., and **Kumaraguru, P.** A Geometric Measure of Polysemy in Hindi Language. In *ACM India Joint International Conference on Data Science and Management of Data 2021 (Young Researchers Symposium)*.
3. Gupta S., Agarwal A., Vyalla, S., Buduru, A. and **Kumaraguru, P.** #IVoted to #IGotPwned: Studying Voter Privacy Leaks in Indian Lok Sabha Elections on Twitter. In *12th International Conference on Social Informatics (SocInfo)* 2020.
4. Gupta, S., Buduru, A. and **Kumaraguru, P.** imdpGAN: Generating Private and Specific Data with Generative Adversarial Networks. In *IEEE International Conference on Trust, Privacy, and Security in Intelligent Systems, and Applications* 2020.
5. Mishra, R., Sadaria, A., Srikanth, S., Gupta, K., Bhatia, H., Jain, P., Shah, RR. and **Kumaraguru, P.** Analyzing Traffic Violations through e-challan System in Metropolitan Cities (Workshop). In *6th IEEE International Conference on Multimedia Big Data (BigMM)* 2020.
6. Hitkul, Gurjar, O., Sadaria, A., Gupta, K., Srikanth, S., Shah, RR. and **Kumaraguru, P.** Are Bot Humans? Analysis of bot accounts in 2019 Indian Lok Sabha election (Workshop Paper). In *6th IEEE International Conference on Multimedia Big Data (BigMM)* 2020.
7. Manu, D., Krishnan, R., and **Kumaraguru, P.** Exploring Shifts in Online Political Discourse: A Study of the 2014 and 2019 National Elections in India. In *Annual Conference of the European Association of Political Science (EPSA)*, Prague, June 18-20, 2020.
8. Gupta, S., Singh, A., Buduru, A. and **Kumaraguru, P.** Hashtags are (not) judgmental: The untold story of Lok Sabha elections 2019. In *6th IEEE International Conference on Multimedia Big Data (BigMM)* 2020.
9. Gupta, S., Bhambri, S., Dhingra, K., Buduru, A. and **Kumaraguru, P.** Multi-objective Reinforcement Learning based approach for User-Centric Power Optimization in Smart Home Environments. In *IEEE SmartDataServices* 2020, Jul 7 - Jul 11, 2020.
10. Mohapatra, D., Pal, S., De, S., **Kumaraguru, P.** and Chakraborty, T. Modeling Citation Trajectories of Scientific Papers. In *PAKDD* 2020, May 11 - May 16, 2020.

11. Lamba, H., Srikanth, S., Reddy, D., Singh, S., Juneja, K. and **Kumaraguru, P.** Driving the Last Mile: Characterizing and Understanding Distracted Driving Posts on Social Networks. International AAAI Conference on Web and Social Media (ICWSM) 2020.
12. Manu, D., Krishnan, R., and **Kumaraguru, P.** Analysing How the Shift in Discourses on Social Media Affected the Narrative Around the Indian General Election 2019. In 2nd International Conference on Research in Social Sciences (RSSCONF), December 03 - 05, 2019, Vienna, Austria.
13. Kaushal, R., Gupta, S., and **Kumaraguru, P.** Investigation of Biases in Identity Linkage DataSets. In 35th ACM/SIGAPP Symposium on Applied Computing (SAC 2020), March 30 - April 3, 2020, Brno, Czech Republic.
14. Kaushal, R., Singh, S., and **Kumaraguru, P.** NeXLink: Node Embedding Framework for Cross-Network Linkages Across Social Networks. In International School and Conference on Network Science (NetSci-X 2020), January 20 - 23, 2020, Tokyo, Japan.
15. Kaushal, R., Sharma, C., and **Kumaraguru, P.** Detection of Misbehaviors in Clone Identities on Online Social Networks. In 7th International Conference on Mining Intelligence and Knowledge Exploration (MIKE 2019), December 19 - 22, 2019, NIT, Goa, India.
16. Chandra, A., Borbora, Z., **Kumaraguru, P.**, and Srivastava, J. Finding Your Social Space: Empirical Study of Social Exploration in Multiplayer Online Games. 9th Workshop on Social Network Analysis in Applications, as part of International Conference on Advances in Social Networks Analysis and Mining (ASONAM '19), August 27–30, 2019, Vancouver, BC, Canada.
17. Borbora, Z., Chandra, A., **Kumaraguru, P.**, and Srivastava, J. On Churn and Social Contagion. Foundations of Open Source Intelligence and Security Informatics (FOSINT-SI 2019) as part of International Conference on Advances in Social Networks Analysis and Mining (ASONAM '19), August 27–30, 2019, Vancouver, BC, Canada.
18. Kaushal, R., Ghosh, V., and **Kumaraguru, P.** Methods for User Profiling Across Social Networks. In 12th IEEE International Conference on Social Computing (SocialCom 2019), December 16 - 18, 2019, Xiamen, China.
19. Wason, M., Gupta, S S, Venkatraman, S., and **Kumaraguru, P.** Building Sociality through Sharing: Seniors' Perspectives on Misinformation. In 11th ACM Conference on Web Science (WebSci 19), June 30-July 3, 2019, Boston, MA, USA.
20. Singhal, S., Shah, R., Chakraborty, T., **Kumaraguru, P.**, and Satoh, S. SpotFake: A Multi-Modal Framework for Fake News Detection. The Fifth IEEE International Conference on Multimedia Big Data. September 11-13, 2019 Singapore.
21. Hitkul, Shah, R., **Kumaraguru, P.**, and Satoh, S. Maybe look closer? Detecting Trolling Prone Images on Instagram. Accepted at Workshop on Machine Learning for Image analysis and Understanding (MLIAU2019) as part of The Fifth IEEE International Conference on Multimedia Big Data. September 11-13, 2019 Singapore.
22. Paul, I., Khattar, A., **Kumaraguru, P.**, Gupta, M, and Chopra, S. Elites Tweet? Characterizing the Twitter Verified User Network. ICDE Workshop on Large Scale Graph Data Analytics (2019).
23. Jain, S., Niranjana, D., Lamba, H., and **Kumaraguru, P.** Characterizing and Detecting Livestreaming Chatbots. ASONAM 2019
24. Prajwal K R, Jawahar C V and **Kumaraguru, P.** Towards Increased Accessibility of Meme Images with the help of Rich Face Emotion Captions. ACM Multimedia 2019.
25. Gupta, S., Srivatsav, D., Subramanyam, A V. and **Kumaraguru, P.** Attentional Road Safety Networks. Accepted at 26th IEEE International Conference on Image Processing (ICIP), Taipei, September 22-25, 2019.
26. Merchant, A., Shah, D., Bhatia, G., Ghosh, A., and **Kumaraguru, P.** Signals Matter: Understanding Popularity and Impact of Users on Stack Overflow. Accepted at The Web Conference (formerly known as WWW), San Francisco, May 13-17, 2019.

27. Shah, D., Kumaran, A., Sen, R., and **Kumaraguru, P.** Travel time estimation accuracy in developing regions: An empirical case study with Uber data in Delhi-NCR. Accepted at AW4CITY 2019: 5th International Smart City Workshop, The Web Conference, San Francisco, May 13, 2019.
28. Paul, I., Khattar, A., Chopra, S., **Kumaraguru, P.**, and Gupta, M. What Sets Verified Users Apart? Insights, Analysis and Prediction of Verified Users on Twitter. Accepted at 11th ACM Conference on Web Science.
29. Chopra, S., Khattar, A., Dabas, K., Gupta, K., and **Kumaraguru, P.** Evils of Social Media: Case Study of the Blue Whale Challenge. Accepted at CHI4EVIL workshop at CHI 2019. May 4-9, 2019.
30. Suri, A., Vijaykeerthy, D., Mehta, S., and **Kumaraguru, P.** Hardening Deep Neural Networks via Adversarial Model Cascades. Accepted at International Joint Conference on Neural Networks (IJCNN 2019). July 14 - 19, 2019.
31. Singh, S., Kaushal, R., Buduru, A., and **Kumaraguru, P.** KidsGuard: A fine-Grained approach for child UnsAfe video Representation and Detection. Accepted at 34th ACM/SIGAPP Symposium On Applied Computing,. April 8 - 12, 2019.
32. Gupta, S., **Kumaraguru, P.**, and Chakraborty, T. MalReG: Detecting and Analyzing Malicious Retweeter Groups. Accepted at ACM India Joint International Conference on Data Science and Management of Data (CoDS-COMAD 2019). Kolkata, Jan 3 - 5, 2019.
33. Kumar, Y., Aggarwal, S., Mahata, D., Shah, R., **Kumaraguru, P.**, and Zimmermann, R. Get IT Scored using AutoSAS - An Automated System for Scoring Short Answers. Accepted at The Eighth Symposium on Educational Advances in Artificial Intelligence 2018 (EAAI-18). Feb 2 - 7, 2019.
34. Kapoor, R., Kumar, Y., Rajput, K., Shah, R., **Kumaraguru, P.**, and Zimmermann, R. Mind Your Language: Abuse and Offense Detection for Code-Switched Languages. Accepted at 32nd AAAI Conference on Artificial Intelligence. Feb 2 - 7, 2019.
35. Gupta, S., Sachdeva, S., Dewan, P., and **Kumaraguru, P.** CbI: Improving Credibility of User-Generated Content on Facebook. Accepted at Sixth International Conference on Big Data Analytics 2018 (BDA 2018). December 18 - 21, 2018.
36. Verma, A., Wadhwa, A., Singh, N., Beniwal, S., Kaushal, R. and **Kumaraguru, P.** Followee Management: Helping users follow the right users on Online Social Media. Accepted at International Workshop on Social Human Behavior Analysis through Online Social Media (co-located with ASONAM), Barcelona, Spain, 31 August, 2018.
37. Choudhary, H., Pathak, A., Shah, R. and **Kumaraguru, P.** Neural Machine Translation for English-Tamil. Accepted at Empirical Methods in Natural Language Processing, Brussels, Belgium, October 31-November 4, 2018.
38. Gupta, D., Sen, I., Sachdeva, N., **Kumaraguru, P.** and Buduru, A. Empowering First Responders through Automated Multimodal Content Moderation. Accepted at The Second IEEE International Congress on Cognitive Computing, San Francisco, 2-7 July, 2018. **Paper Best Paper Award.**
39. Singh, K., Sen, I. and **Kumaraguru, P.** Language Identification and Named Entity Recognition in Hinglish Code Mixed Tweets. Accepted in the ACL Student Research Workshop 2018.
40. Singh, K., Sen, I. and **Kumaraguru, P.** A Twitter Corpus for Hindi English Code Mixed Dataset for POS Tagging. Accepted in the Sixth International Workshop on Natural Language Processing for Social Media (SocialNLP 2018).
41. Sen, I., Aggarwal, A., Mian, S., Singh, S., **Kumaraguru, P.** and Datta, A. Worth its Weight in Likes: Towards Detecting Fake Likes on Instagram. Accepted as a short paper in the 10th ACM Conference on Web Science, Amsterdam, 27-30 May 2018.
42. Gupta, S., Kuchhal, D., Gupta, P., Ahamad, M., Gupta, M. and **Kumaraguru, P.** "Under the Shadow of Sunshine: Characterizing Spam Campaigns Abusing Phone Numbers Across Online Social Networks. Accepted in the 10th ACM Conference on Web Science, Amsterdam, 27-30 May 2018.

43. Nanda, V., Lamba, H., Agarwal, D., Arora, M., Sachdeva, N., and **Kumaraguru, P.** Stop the Killfies! Using Deep Learning to Identify Dangerous Selfies. Accepted at the 9th International Workshop on Modeling Social Media (MSM'2018) Applying Machine Learning and AI for Modeling Social Media.
44. Gupta, S., Khattar, A., Gogia, A., **Kumaraguru, P.** and Chakraborty, T. Collective Classification of Spam Campaigners on Twitter: A Hierarchical Meta-Path Based Approach. At The Web Conf 2018 (Formerly WWW Conference).
45. Goel, S., Ahuja, S., Subramanyam, A., **Kumaraguru, P.** #VisualHashtags: Visual Summarization of Social Media Events Using Mid-Level Visual Elements. At 25th ACM Conference on MultiMedia 2017.
46. Aggarwal, A., Viswanath, B., Zhang, L., Kumar, S., Shah, A. and **Kumaraguru, P.** I Spy with My Little Eye: Analysis and Detection of Spying Browser Extensions. At IEEE European Symposium on Security and Privacy.
47. Sen, I., Aggarwal, A., Mian, S., Singh, S., **Kumaraguru, P.** and Datta, A. Worth its Weight in Likes: Towards Detecting Fake Likes on Instagram. At 10th ACM Conference on Web Science, Amsterdam, 27-30 May 2018.
48. Gupta, S., Kuchhal, D., Gupta, P., Ahamad, M., Gupta, M. and **Kumaraguru, P.** "Under the Shadow of Sunshine: Characterizing Spam Campaigns Abusing Phone Numbers Across Online Social Networks. At 10th ACM Conference on Web Science, Amsterdam, 27-30 May 2018.
49. Nanda, V., Lamba, H., Agarwal, D., Arora, M., Sachdeva, N., and **Kumaraguru, P.** Stop the Killfies! Using Deep Learning to Identify Dangerous Selfies. At 9th International Workshop on Modeling Social Media (MSM'2018) Applying Machine Learning and AI for Modeling Social Media.
50. Aggarwal, A., Kumar, S., Bhargava, K., and **Kumaraguru, P.** The Follower Count Fallacy: Detecting Twitter Users with Manipulated Follower Count. At 33rd ACM / SIGAPP Symposium on Applied Computing, April 9 - 13, 2018.
51. Singh, S., Nanda, V., Sen, R., Sengupta, S., **Kumaraguru, P.**, and Gummadi, K. Leveraging Facebook's Free Basics Engine for Web Service Deployment in Developing Regions. At International Conference on Information & Communication Technologies and Development (ICTD) 2017, November 16-19, 2017, Lahore, Pakistan.
52. Kaushal, R., Chandok, S., Jain, P., Dewan, P., Gupta, N., **Kumaraguru, P.** Nudging Nemo: Helping Users Control Linkability across Social Networks. At 9th International Conference on Social Informatics, 2017.
53. Reganti, A.N., Maheshwari, T., Das A., Chakraborty, T., **Kumaraguru, P.** Understanding Psychosociological Vulnerability of ISIS Patronizers in Twitter. At IEEE/ACM International Conference on Social Networks Analysis and Mining (ASONAM 2017).
54. Dewan, P., Suri, A., Bharadhwaj, V., Mithal, A., **Kumaraguru, P.** Towards Understanding Crisis Events On Online Social Networks Through Pictures. At IEEE/ACM International Conference on Social Networks Analysis and Mining (ASONAM 2017).
55. Pattisapu, N., Gupta, M., **Kumaraguru, P.** and Varma, V.. Medical Persona Classification in Social Media. At IEEE/ACM International Conference on Social Networks Analysis and Mining (ASONAM 2017).
56. Lamba, H., Bharadhwaj, V., Vachher, M., Agarwal, D., Arora, M., Sachdeva, N., **Kumaraguru, P.** From Camera to Deathbed: Understanding Dangerous Selfies on Social Media. At 11th International Conference on Web and Social Media (ICWSM), 2017.
57. Goel, S., Ahuja, S., Subramanyam, A., **Kumaraguru, P.** #VisualHashtags: Visual Summarization of Social Media Events Using Mid-Level Visual Elements. Accepted at 25th ACM Conference on MultiMedia 2017.
58. Kaushal, R., Chandok, S., Jain, P., Dewan, P., Gupta, N., **Kumaraguru, P.** Nudging Nemo: Helping Users Control Linkability across Social Networks. Accepted at 9th International Conference on Social Informatics, 2017.

59. Prateek Dewan, Anshuman Suri, Varun Bharadhwaj, Aditi Mithal and **Kumaraguru, P.** Towards Understanding Crisis Events On Online Social Networks Through Pictures. Accepted at IEEE/ACM International Conference on Social Networks Analysis and Mining (ASONAM 2017). 19% acceptance rate.
60. Nikhil Pattisapu, Manish Gupta, **Kumaraguru, P.** and Vasudeva Varma. Medical Persona Classification in Social Media. Accepted at IEEE/ACM International Conference on Social Networks Analysis and Mining (ASONAM 2017). 19% acceptance rate.
61. Aishwarya N Reganti, Tushar Maheshwari, Amitava Das, Tanmoy Chakraborty, **Kumaraguru, P.** Understanding Psycho-Sociological Vulnerability of ISIS Patronizers in Twitter. Accepted IEEE/ACM International Conference on Social Networks Analysis and Mining (ASONAM 2017). Poster.
62. Siddharth Singh, Vedant Nanda, Rijurekha Sen, Sohaib Ahmada, Satadal Sengupta, Amreesh Phokeer, Zaid Ahead Farooq, Taslim Arefin Khan, **Kumaraguru, p.** Ihsan Ayyub Qazi, David Choffnes, Krishna Gummadi. An Empirical Analysis of Facebook's Free Basics. ACM SIGMETRICS 2017. Poster.
63. Lamba, H., Bharadhwaj, V., Vachher, M., Agarwal, D., Arora, M., Sachdeva, N., **Kumaraguru, P.** From Camera to Deathbed: Understanding Dangerous Selfies on Social Media. Accepted as Poster at the 11th International Conference on Web and Social Media (ICWSM), 2017. Poster.
64. Bagroy, S., **Kumaraguru, P.**, and De Choudhury, M. A Social Media Based Index of Mental Well-Being in College Campuses. Accepted at the 34th Annual ACM Conference on Human Factors in Computing Systems (CHI), 2017.
65. Sachdeva, N. and **Kumaraguru, P.** Call for Service: Characterizing and Modeling Police Response to Serviceable Requests on Facebook. Accepted at 20th ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW) 2017.
66. Halevi, T., Memon, N. D., Lewis, J., **Kumaraguru, P.**, Arora, S., Dagar, N., Aloul, F. A., and Chen, J. Cultural and Psychological Factors in Cyber-Security. Accepted at 18th International Conference on Information Integration and Web-based Applications & Services (iiWAS2016).
67. Gupta, S., Gupta, P., Ahamad, M., and **Kumaraguru, P.** Exploiting Phone Numbers and Cross-Application Features in Targeted Mobile Attacks. Accepted at the 6th Workshop on Security and Privacy in Smartphones and Mobile Devices (SPSM), 2016.
68. Kaushal, R., Saha, S., Bajaj, P., and **Kumaraguru, P.** KidsTube: Detection, Characterization and Analysis of Child Unsafe Content & Promoters on YouTube. Accepted at Privacy Security and Trust (PST), 2016.
69. Jain, P., **Kumaraguru, P.**, and Joshi, A. Other Times, Other Values: Leveraging Attribute History to Link User Profiles across Online Social Networks. Accepted at Journal of Social Network Analysis and Mining (SNAM), 2016.
70. Goel, S., Sachdeva, N., **Kumaraguru, P.**, Subramanyam, A., and Gupta, D. PicHunt: Social Media Image Retrieval for Improved Law Enforcement. Accepted at 8th International Conference on Social Informatics. 2016.
71. Bajaj, P., Kavidayal, M., Srivastava, P., Akthar M., and **Kumaraguru, P.** Disinformation in Multimedia Annotation: Misleading Metadata Detection on YouTube. Accepted at ACM Multimedia 2016 Workshop: Vision and Language Integration Meets Multimedia Fusion. 2016.
72. Dewan, P., Bagroy, S., and **Kumaraguru, P.** Hiding in Plain Sight: Characterizing and Detecting Malicious Facebook Pages. Accepted at IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM), 2016 (Short Paper).
73. Sachdeva, N., **Kumaraguru, P.** and Choudhury, M. - Social Media for Safety: Characterizing Online Interactions between Citizens and Police. Accepted at 30th British Human Computer Interaction Conference (BHCI) 2016.

74. Sachdeva, N., and **Kumaraguru, P.** Online Social Media - New face of policing? A Survey Exploring Perceptions, Behavior, Challenges for Police Field Officers and Residents. Accepted at 18th International Conference on Human-Computer Interaction.
75. Jain, P., and **Kumaraguru, P.** On the Dynamics of Username Changing Behavior on Twitter. Accepted at 3rd IKDD Conference on Data Science, 2016.
76. Lerman, K., Arora, M., Marin, L., **Kumaraguru, P.**, and Garcia, D. Emotions, Demographics and Sociability in Online Interactions. Accepted at ICWSM 2016.
77. Sachdeva, N., and **Kumaraguru, P.** Online Social Media - New face of policing? A Survey Exploring Perceptions, Behavior, Challenges for Police Field Officers and Residents. Accepted at 18th International Conference on Human-Computer Interaction 2016.
78. Jain., P., **Kumaraguru, P.** On the Dynamics of Username Changing Behavior on Twitter. 3rd IKDD Conference on Data Science, 2016.
79. Jain., P., **Kumaraguru, P.**, and Joshi, A. Other Times, Other Values: Leveraging Attribute History to Link User Profiles across Online Social Networks. Accepted at the 26th ACM Conference on Hypertext and Social Media (Hypertext) 2015.
80. Aggarwal, A., and **Kumaraguru, P.** What They Do in Shadows: Twitter Underground Follower Market. Accepted at the 13th International Conference on Privacy, Security and Trust (PST), 2015.
81. Dewarn, P., and **Kumaraguru, P.** Towards Automatic Real Time Identification of Malicious Posts on Facebook Accepted at the 13th International Conference on Privacy, Security and Trust (PST), 2015.
82. Sachdeva, N., and **Kumaraguru, P.** Online Social Networks and Police in India – Understanding the Perceptions, Behavior, Challenges. Accepted at the European conference on Computer-Supported Cooperative Work (ECSCW) 2015.
83. Roy, R., Padmakumar, A., Jeganathan, G., and **Kumaraguru, P.** Automated Linguistic Personalization of Targeted Marketing Messages Mining User-generated Text on Social Media. Proceedings of the 16th International Conference on Intelligent Text Processing and Computational Linguistics 2015 (CICLing '15). **Best paper award.**
84. Sachdeva, N., and **Kumaraguru, P.** Social Networks for Police and Residents in India: Exploring Online Communication for Crime Prevention. 16th Annual International Conference on Digital Government Research. 2015. **Best paper award.**
85. Gupta, A., **Kumaraguru, P.**, Castillo, C., and Meier, P. TweetCred: Real-Time Credibility Assessment of Content on Twitter. Accepted at The 6th International Conference on Social Informatics. **Best Paper Nominees (honorable mention).**
86. Gupta, N., Aggarwal A. and **Kumaraguru, P.** bit.ly/malicious: Deep Dive into Short URL based e-Crime Detection. 9th Anti-Phishing Working Group (APWG) eCrime Research Symposium (eCRS), 2014. **Best paper award.**
87. Gupta, S., and **Kumaraguru, P.** Emerging Phishing Trends and Effectiveness of the Anti-Phishing Landing Page. 9th Anti-Phishing Working Group (APWG) eCrime Research Symposium (eCRS), 2014.
88. Dewan, P., Kashyap, A., **Kumaraguru, P.** Analyzing Social and Stylometric Features to Identify Spear phishing Emails. Accepted at 9th Anti-Phishing Working Group (APWG) eCrime Research Symposium (eCRS), 2014.
89. Mittal, S., Gupta, N., Dewan, P., **Kumaraguru, P.** Pinned it! A large scale study of the Pinterest network. Accepted at the 1st ACM IKDD Conference on Data Sciences (CoDS), 2014.
90. Mohamed, M., Sachdeva, N., Georgescu, M., Gao, S., Saxena, N., Zhang, C., **Kumaraguru, P.**, Van Oorschot, P., and Chen, W. A Three-Way Investigation of a Game-CAPTCHA: Automated Attacks, Relay Attacks and Usability. Accepted at 9th ACM Symposium on Information, Computer and Communications Security (ASIACCS), 2014.

91. Sachdeva, N., Saxena, N., and **Kumaraguru, P.** On the Viability of CAPTCHAs for Use in Telephony Systems: A Usability Field Study. 16th Information Security Conference November 13-15 in Dallas, Texas.
92. Dewan, P., Gupta, M., Goyal, K., and **Kumaraguru, P.** MultiOSN: Realtime Monitoring of Real World Events on Multiple Online Social Media. Accepted at I-CARE 2013.
93. Gupta, A., Lamba, H., and **Kumaraguru, P.** \$1.00 per RT #BostonMarathon #PrayForBoston: Analyzing Fake Content on Twitter. Accepted at IEEE APWG eCrime Research Summit (eCRS), 2013.
94. Jain, P., Jain, P., and **Kumaraguru, P.** Call Me MayBe: Understanding Nature and Risks of Sharing Mobile Numbers on Online Social Networks. Accepted at the Conference on Online Social Networks (COSN 2013).
95. Narang, K., Lerman, K., and **Kumaraguru, P.** Network Flows and the Link Prediction Problem. Accepted at the 7th workshop on Social Network Mining and Analysis (SNAKDD) 2013.
96. Panjwani, S., Ghosh, M., Singh, S., and **Kumaraguru, P.** The Paper Slip Should be There: Perceptions of Transaction Receipts in Branchless Banking. Accepted at Mobile HCI 2013.
97. Lerman, K., Jain, P., Ghosh, R., Kang, J., and **Kumaraguru, P.** In Proceedings of International Conference on Social Intelligence and Technology (SOCIETY). 2013.
98. Magalhes, T., Dewan, P., **Kumaraguru, P.**, Melo-Minardi, R., Almeida, V. uTrack: Track Yourself! Monitoring Information on Online Social Media. Accepted at the 22nd International World Wide Web Conference (WWW) (2013). Demo track.
99. Gupta, A., Lamba, H., **Kumaraguru, P.**, Joshi, A. Faking Sandy: Characterizing and Identifying Fake Images on Twitter during Hurricane Sandy. Accepted at the 2nd International Workshop on Privacy and Security in Online Social Media (PSOSM), in conjunction with the 22th International World Wide Web Conference (WWW) (2013).
100. Jain, P., **Kumaraguru, P.**, Joshi, A. @I seek 'fb.me': Identifying Users across Multiple Online Social Networks. Accepted at the 2nd International Workshop on Web of Linked Entities (WoLE), in conjunction with the 22th International World Wide Web Conference (WWW) (2013).
101. Aggarwal, A., Almeida, J., **Kumaraguru, P.** Detection of Spam Tipping Behaviour on Foursquare. Accepted at the 2nd International Workshop on Mining Social Network Dynamics (MSND), in conjunction with the 22th International World Wide Web Conference (WWW) (2013).
102. Ottoni, R., Pesce, J., Casas, D., Franciscani, G., Meira, W., **Kumaraguru, P.**, Almeida, V. Ladies First: Analyzing Gender Roles and Behaviors in Pinterest. Accepted at The International AAAI Conference on Weblogs and Social Media (ICWSM) 2013.
103. Yadav, K., Saha, S., **Kumaraguru, P.**, Kumra, R. Take Control of Your SMSes: Designing an Usable Spam SMS Filtering System. Accepted at the 13th International Conference on Mobile Data Management (MDM) (2012). Demo track
104. Pontes, T., Magno, G., Vasconcelos, M., Gupta, A., Almeida, J., **Kumaraguru, P.**, and Almeida, V. Beware of What You Share: Inferring Home Location in Social Networks. Accepted at Privacy in Social Data (PinSoda), in conjunction with International Conference on Data Mining (ICDM) (2012).
105. Aggarawal, A., Rajadesingan, A., and **Kumaraguru, P.** PhishAri: Automatic Realtime Phishing Detection on Twitter. In Anti-Phishing Working Group e-Crime Researchers Summit (2012). **Best paper award.**
106. Gupta, A., Joshi, A., and **Kumaraguru, P.** Identifying and Characterizing User Communities on Twitter during Crisis Events. Workshop on Data-driven User Behavioral Modelling and Mining from Social Media, Co-located with CIKM (2012).
107. Pontes, T., Vasconcelos, M., Almeida, J., **Kumaraguru, P.**, and Almeida, V. We Know Where You Live: Privacy Characterization of Foursquare Behavior. Accepted at 4th International Workshop on Location-Based Social Networks (LBSN 2012).

108. Malhotra, A., Totti, L., Meira, W., **Kumaraguru, P.**, and Almeida, V. Studying user footprints in different online social networks. Accepted at International Workshop on Cybersecurity of Online Social Network (CSOSN) (2012).
109. Gupta, A., and **Kumaraguru, P.** Credibility ranking of tweets during high impact events. Workshop on Privacy and Security in Online Social Media, Co-located with WWW (2012).
110. Asthana, S., Singh, P., **Kumaraguru, P.**, Singh, A., and Naik, V. Tring! tring! - An exploration and analysis of interactive voice response systems. IndiaHCI (2012).
111. Jain, P., Rodrigues, T., Magno, G., **Kumaraguru, P.**, and Almeida, V. Cross-pollination of information in online social media: A case study on popular social networks. Third International Conference on Social Computing (2011).
112. Rauber, G., Almeida, V., and **Kumaraguru, P.** *Privacy Albeit Late*. Seventeenth edition of WebMedia, Brazilian Symposium on Multimedia and the Web (2011).
113. Chhabra, S., Aggarwal, A., Benevenuto, F., and **Kumaraguru, P.** *Phi.sh/\$oCiaL: The Phishing Landscape through Short URLs*. Accepted at 8th Annual Collaboration, Electronic messaging, Anti-Abuse and Spam Conference (CEAS 2011). **Best paper award**.
114. Ion, I., Sachdeva, N., **Kumaraguru, P.**, and Capkun, S. *Home is Safer than the Cloud! Privacy Concerns for Consumer Cloud Storage*. Symposium on Usable Privacy and Security (SOUPS) (2011).
115. Agarwal, V., Desai, V., Kapoor, S., **Kumaraguru, P.**, and Mittal, S. *Enhancing the Rural Self Help Group Bank Linkage Program*. IEEE International Conference on Service Operations and Logistics, and Informatics (2011).
116. Gupta, A., Viswanathan, K. K., Joshi, A., Finin, T., and **Kumaraguru, P.** *Integrating Linked Open Data with Unstructured Text for Intelligence Gathering Tasks*. In Proceedings of the Information Integration on the Web (IIWeb), Co-located workshop at WWW (2011).
117. Khot, R., Kannan, S., and **Kumaraguru, P.** *Marasim: A Novel Jigsaw Based Authentication Scheme using Tagging*. In Proceedings of the 29th international Conference on Human Factors in Computing Systems. CHI 2011. ACM.
118. Adappa, S., Agarwal, V., Goyal, S., **Kumaraguru, P.**, and Mittal, S. *User Controllable Security and Privacy for Mobile Mashups*. HotMobile, 2011.
119. Yadav, K., **Kumaraguru, P.**, Goyal, A., Gupta, A., and Naik, V. *SMSAssassin: Crowdsourcing driven mobile-based system for sms spam filtering*. HotMobile, 2011.
120. **Kumaraguru, P.**, and Sureka, A. Anti - Terrorism in India. Terrorism and New Media: Building a Research Network. Dublin City University, Dublin, Ireland, 2010.
121. Ghai, S. K., Nigam, P., and **Kumaraguru, P.** *Cue : A Framework for Generating Meaningful Feedback in XACML*. 3rd ACM Workshop on Assurable & Usable Security Conguration, in conjunction with CCS, 2010.
122. Sureka, A., **Kumaraguru, P.**, Goyal, A., and Chhabra, S. *Mining YouTube to Discover Hate Videos, Users and Hidden Communities*. Accepted at Sixth Asia Information Retrieval Societies Conference, 2010.
123. Yadav, K., Naik, V., Singh, A., Singh, P., **Kumaraguru, P.**, and Chandra, U. *Challenges and Novelities while using Mobile Phones as ICT Devices for Indian Masses*. ACM Workshop on Networked Systems for Developing Regions, 2010.
124. Ion, I., Langheinrich, M., **Kumaraguru, P.**, and Capkun, S. *Influence of User Perception, Security Needs, and Social Factors on Device Pairing Method Choices*. Accepted at Symposium On Usable Privacy and Security, 2010.
125. Sheng, S., Holbrook, M., **Kumaraguru, P.**, Cranor, L., and Downs, J. *Who Falls for Phish? A Demographic Analysis of Phishing Susceptibility and Effectiveness of Interventions*. In Proceedings of the 28th international conference on Human factors in computing systems (New York, NY, USA, 2010), CHI 10, ACM, pp. 373–382.

126. Rengamani, H., **Kumaraguru, P.**, Chakraborty, R., and Rao, R. *The Unique Identification Number Project: Challenges and Recommendations*. Accepted at The Third International Conference on Ethics and Policy of Biometrics and International Data Sharing (ICEB), 2010.
127. Sheng, S., **Kumaraguru, P.**, Acquisti, A., Cranor, L., and Hong, J. *Improving Phishing Countermeasures: An Analysis of Expert Interviews*. e-Crime Researchers Summit, Anti-Phishing Working Group, 2009.
128. **Kumaraguru, P.**, Cranor, L., and Mather, L. *Anti-phishing landing page: Turning a 404 into a teachable moment for end users*. Conference on Email and Anti-Spam, 2009.
129. **Kumaraguru, P.**, Cranshaw, J., Acquisti, A., Cranor, L., Hong, J., Blair, M. A., and Pham, T. *School of Phish: A Real-World Evaluation of Anti-Phishing Training*. Symposium On Usable Privacy and Security, 2009.
130. **Kumaraguru, P.**, Sheng, S., Acquisti, A., Cranor, L., and Hong, J. *PhishGuru: Lessons From a Real World Evaluation of Anti-Phishing Training*. In e-Crime Researchers Summit, Anti-Phishing Working Group, October 15 - 16, 2008, Atlanta, USA.
131. **Kumaraguru, P.**, Sheng, S., Acquisti, A., Cranor, L., and Hong, J. *Anti-Phishing Education*. In Proceedings of The International Conference on E-Learning in the Workplace (ICELW 2008).
132. Sheedy, C., **Kumaraguru, P.** *A Contextual Method for Evaluating Privacy Preferences*. Policies and Research in Identity Management (IDMAN), October 11 - 12, 2007, Rotterdam, The Netherlands.
133. **Kumaraguru, P.**, Rhee, Y., Sheng, S., Hasan, S., Acquisti, A., Cranor, L.F., and Hong, J. *Getting users to pay attention to anti-phishing education: Evaluation of retention and transfer*. In e-Crime Researchers Summit, Anti-Phishing Working Group, October 4 - 5, 2007, Pittsburgh, USA.
134. Sheng, S., Magnien, B., **Kumaraguru, P.**, Acquisti, A., Cranor, L.F., Hong, J., and Nunge, E. *Anti-phishing phil: The design and evaluation of a game that teaches people not to fall for phish*. In SOUPS '07: Proceedings of the 3rd symposium on Usable privacy and security (New York, NY, USA, March 2007).
135. **Kumaraguru, P.**, Cranor, L., Lobo, J., and Calo, S. *A survey of privacy policy languages*. Workshop on Usable IT Security Management (USM '07). In SOUPS '07: Proceedings of the 3rd symposium on Usable privacy and security (New York, NY, USA, March 2007), ACM, Symposium On Usable Privacy and Security.
136. **Kumaraguru, P.**, Rhee, Y., Acquisti, A., Cranor, L. F., Hong, J., and Nunge, E. *Protecting people from phishing: the design and evaluation of an embedded training email system*. In CHI '07: Proceedings of the SIGCHI conference on Human factors in computing systems, New York, NY, USA, May, 2007, ACM Press, pp. 905 - 914.
137. **Kumaraguru, P.**, Acquisti, A., and Cranor, L. *Trust modeling for online transactions: A phishing scenario*. In the proceedings of Privacy Security Trust, Oct 30 - Nov 1, 2006, Ontario, Canada
138. **Kumaraguru, P.**, Cranor, L., and Newton, E. *Privacy Perceptions in India and the United States: An Interview Study*. In The 33rd Research Conference on Communication, Information and Internet Policy (TPRC), Sep 23 - Sep 25, 2005, The National Center for Technology and Law, George Mason University School of Law, USA.
139. Diesner, J., **Kumaraguru, P.**, and Carley, K. *Mental Models of Data Privacy and Security Extracted from Interviews with Indians*. 55th Annual Conference of the International Communication Association (ICA), May 26-30, 2005. New York, NY.
140. **Kumaraguru, P.**, and Cranor, L. *Privacy in India: Attitudes and Awareness*. In Proceedings of the 2005 Workshop on Privacy Enhancing Technologies (PET 2005), 30 May - 1 June 2005, Dubrovnik, Croatia.

Technical Reports

- Sachdeva, N., **Kumaraguru, P.** Online Social Media and Police in India: Behavior, Perceptions, Challenges.
- Sachdeva, N., and **Kumaraguru, P.** Privacy4ICTD in India: Exploring Perceptions, Attitudes and Awareness about ICT Use.
- Dewan, P., Gupta, M., Goyal, K., and **Kumaraguru, P.** MultiOSN: Monitoring Multiple Online Social Networks During Real-World Events.
- Jain, P., and **Kumaraguru, P.** Finding Nemo: Searching and Resolving Identities of Users Across Online Social Networks.
- **Kumaraguru, P.**, and Sachdeva, N. Privacy in India: Attitudes and Awareness V 2.0. Tech. rep., PreCog-TR-12-001, PreCog@IIIT-Delhi, 2012.
- Yadav, K., Malhotra, A., **Kumaraguru, P.**, Khurana, R., and Singh, D.K. Take Control Over your SMSes: A Real-World Evaluation of a Mobile-based SpamSMS Filtering System. IIITD-TR-2012-007, July 2012.
- Dewan, P., Gupta, M., and **Kumaraguru, P.** ChaMAILeon: Simplified Email Sharing Like Never Before. IIITD-TR-2012-003, March 2012.
- Gupta, A., and **Kumaraguru, P.** Twitter Explodes with Activity in Mumbai Blasts! A Lifeline or an Unmonitored Daemon in the Lurking? IIITD-TR-2011-005, August 2011.
- **Kumaraguru, P.**, and Cranor, L. Privacy Indexes: A Survey of Westin's Studies. Tech. rep. CMU-ISRI-5-138, December 2005, Institute for Software Research International (ISRI), Carnegie Mellon University.
- Egelman, S., and **Kumaraguru, P.** DIMACS Workshop and Working Group Meeting on Usable Privacy and Security, DIMACS Center - Rutgers University, July 7 - 9 2004.

OTHER ACADEMIC PURSUITS

- Post Graduation Diploma in Personnel Management and Industrial Relations. Aug 1998 - May 1999. Annamalai University, India
- Post Graduate Diploma in Computer Applications. Aug 1997 - Aug 1998. Loyola Institute of Business Administration - Informatics Center, India

HONOURS & AWARDS

- Part of Worlds Top 2% Scientists list released by Stanford University, Nov 2020.
- Tulasi, A., Gupta, K., Gurjar, O., Buggana, S., Mehan, P., Buduru, A., and Kumaraguru, P. Who Won it Online? A comparative study of 2019 Indian General Elections on Twitter. In 12th International Conference on Social Informatics (SocInfo) 2020. Best Poster Award.
- Received Outstanding Educator Award from #Classof2018. Citation for the award "from the graduating batches of BTech and MTech 2018. The award recognizes brilliance in teaching and creating a positive impact on students through your interaction with them in IIIT Delhi. The award recipients were selected through students nominating their top two favorites."
- Awarded commendation for teaching for CSE501 Designing Human Centered Systems. Spring 2018 semester, based on the feedback given by students from the course.
- Awarded commendation for teaching for CSE501 Designing Human Centered Systems. Spring 2017 semester, based on the feedback given by students from the course.
- Best paper award. Gupta, D., Sen, I., Sachdeva, N., Kumaraguru, P. and Buduru, A. Empowering First Responders through Automated Multimodal Content Moderation. Accepted at The Second IEEE International Congress on Cognitive Computing, San Francisco, 2-7 July, 2018.
- Awarded commendation for teaching for CSE501 Designing Human Centered Systems. Spring 2016 semester, based on the feedback given by students from the course.

- Awarded commendation for teaching for CSE648: Privacy and Security in Online Social Media. Fall 2015 semester, based on the feedback given by students from the course.
- Awarded commendation for teaching for CSE501 Designing Human Centered Systems. Winter 2015 semester, based on the feedback given by students from the course.
- Best paper award. Aggarwal, A., and Kumaraguru, P. What They Do in Shadows: Twitter Underground Follower Market. 13th International Conference on Privacy, Security and Trust (PST), 2015.
- Best paper award. Social Networks for Police and Residents in India: Exploring Online Communication for Crime Prevention. Sachdeva, N., and Kumaraguru, P. 16th Annual International Conference on Digital Government Research. 2015.
- Best paper award. Roy, R., Padmakumar, A., Jeganathan, G., and Kumaraguru, P. Automated Linguistic Personalization of Targeted Marketing Messages Mining User-generated Text on Social Media. Proceedings of the 16th International Conference on Intelligent Text Processing and Computational Linguistics 2015 (CICLing '15).
- Best paper award. Gupta, N., Aggarwal A. and Kumaraguru, P. bit.ly/malicious: Deep Dive into Short URL based e-Crime Detection. In Anti-Phishing Working Group e-Crime Researchers Summit (2014).
- Best Paper Nominees (honorable mentions). TweetCred: Real-Time Credibility Assessment of Content on Twitter. Gupta, A., Kumaraguru, P., Castillo, C., and Meier, P. Accepted at The 6th International Conference on Social Informatics. 2014.
- Best B.Tech. thesis award. Engineering category. Backpack. Student: Apoorv Narang. 2014.
- Best B.Tech. thesis award. Entrepreneurship category. Ingage. Student: Aditya Kumar Nayak. 2014.
- Received Adobe Research Excellence Award for 2013 – 2016.
- Selected as one of the 11 ACM Eminent Speakers from the country by ACM. ACM India Council did the selection on their own, there was no call for nominations. 2014.
- Wombat named as Top Tech Company to Watch in Pittsburgh by NEXT Pittsburgh. March, 2014.
- Best poster award. Gupta, A., Lamba, H., Kumaraguru, P. Analyzing and Measuring Spread of Fake Content on Twitter during High Impact Events. Security and Privacy Symposium IIT, Kanpur, 2014.
- Wombat was Gold Winner of Information Security Product's Guide "Tomorrow's Technology Today," Bronze Winner of Information Security Product's Guide "New Product Award". March, 2014.
- Wombat was selected as a finalist for startup of the year for the Pittsburgh Technology Council's Tech 50 awards! Aug 2013,
- Wombat Security named as 2013 Hot Company award winner by Network Products Guide. May 2013.
- Best poster award. Gupta, S., Gupta, M., and Kumaraguru, P. OCEAN: Open source Collation of eGovernment data and Networks. Security and Privacy Symposium, IIT Kanpur. Feb 28 – 2 March, 2013.
- 2nd Runner's Up prize, Best poster award. Sachdeva, N., and Kumaraguru, P. U2P2: Understanding User Privacy Perceptions. Security and Privacy Symposium, IIT Kanpur. Feb 28 – 2 March, 2013.
- Best paper award. Aggarawal, A., Rajadesingan, A., and Kumaraguru, P. PhishAri: Automatic Real-time Phishing Detection on Twitter. In Anti-Phishing Working Group e-Crime Researchers Summit (2012).
- Wombat Security Technologies, Inc. won the 'Gold Winner' at The Golden Globe Awards for IT Training and Education. Oct 2012.
- SMSAssassin won the second prize at APP KRAFT competition. Oct 2012.
- PhishGuru 3.0 Wins PC Magazine's Editor's Choice for Anti-Phishing Products, June 2012
- Awarded commendation for teaching Foundations of Computer Security, Fall 2011 at IIIT-Delhi.

- 2nd Runner's Up prize. Gupta, A., Chhabra, A., and Kumaraguru, P. Twit-Digest. IBM I-CARE 2012.
- Hemant Bharat Ram Faculty Research Fellowship, Sep 2012 - Aug 2017
- Best paper award. Chhabra, S., Aggarwal, A., Benevenuto, F., and Kumaraguru, P. Phi.sh/\$oCiaL: The Phishing Landscape through Short URLs. In 8th Annual Collaboration, Electronic messaging, Anti-Abuse and Spam Conference (CEAS 2011).
- Awarded commendation for teaching Research Methods, Spring 2011 at IIIT-Delhi.
- Awarded commendation for teaching Foundations of computer security, Fall 2010 at IIIT-Delhi.
- Full financial scholarship for Ph.D. supported by Carnegie Mellon CyLab and NSF, Sep 2004 - May 2009
- Full financial scholarship for M.S., Software Systems by SlashSupport, Inc., Dec 2000 - May 2002
- Member of the "Best Stall Award" winning team at IT.com, India, Nov 2000
- Partial Financial Scholarship for High School, Apr 1992 - Apr 1994
- General Proficiency award in the Math talent Examination conducted by Gnanadheep Academy, March 1992

SERVICE

Government advisory roles / interactions

- Member, Board of Studies (BoS) School of Information Technology & Cyber Security (SITCS) at Raksha Shakti University (RSU). July 2020 – Present
- Member. National Data Quality Forum. Setup by Indian Council of Medical Research (ICMR)s National Institute for Medical Statistics (ICMR-NIMS). Oct 2019 – Present
- Member, Technology Innovation Group, setup by the Government of Delhi for CVOID-19 management, April 2020 – Present
- Member, Data Governance Framework, setup by Ministry of Electronics & Information Technology (MeitY), Sept 2019 – Present
- Member, Safe City Project, Delhi Police. Fall 2019 – Present
- Member of the Sub-group of the Technical Advisory Committee, for exploring methodology & technology to be deployed for conduct of Census 2021. Ministry of Home Affairs (MHA). May 2019 - Present.
- Member. Setting up question paper for DRDO Scientist recruitment. Recruitment and Assessment Centre - DRDO. Fall 2019 - Spring 2020.
- Member of the Technical Advisory Committee, evaluating t-Fibre technical details & implementation. Telengana state government. Sept 2018 - Feb 2019.
- Member of Project Review and Steering Group (PRSG). Centre of Excellence on Internet of Things (IoT). NASSCOM. Funded by Ministry of Electronics and Information Technology (MeitY). 2018 – 2020.
- Member of committee on AI for CyberSecurity, Safety, Legal and Ethical issues. Ministry of Electronics and Information Technology (MeitY). Feb 2018 – Summer 2018.
- Member of a Sub-Group, Micro Mission, National Police Mission setup by the Bureau of Police Research and Development (BPR&D), MHA, Government of India. Jan 2015 – Summer 2018.
- Member of Project Review and Steering Group (PRSG). Design and Development of opinion mining and sentiment analysis of social media content to assess security threat. Indian Institute of Technology, Guwahati (IITG). Funded by Department of Electronics and Information Technology (DeitY). 2016 – 2018.

- Member of Review Committee. Information Security and Data Protection Policy. Defence Research & Development Organization. 2016.
- Member of a Prime Minister's Silver Cup Essay Competition. Committee comprises of 6 members, including nominee from Prime Minister's Office and Director of Sardar Vallabhbhai Patel National Police Academy, Hyderabad. 2015, 2016, 2017, 2018, 2019.
- Member of Project Management Review Committee. Analysis of IP Traffic over Satellite (SAMVAAD). Defence Research & Development Organization. 2015 – 2018.
- Member of a Steering Committee for developing Early Warning System (EWS). Serious Fraud Investigation Office, Ministry of Corporate Affairs, Government of India. Jan 2016 - Summer 2018.
- Member of a Working Group on Technology, setup under the Cybersecurity Task Force. This Task Force is setup by NASSCOM & DSCI upon a challenge by the Prime Minister of India. May 2015 - Dec 2015.
- Member of Review Committee. Technology Foresight Study taken up in partnership with C-DAC, Pune & DSCI, New Delhi. Information & Communication Security & Financial Sector Security. Funded by Technology Information, Forecasting and Assessment Council (TIFAC). 2015 – 2016.
- Member of Project Review and Steering Group (PRSG), Global, Regional and Domestic Factors Impacting India's Cyber Security, by Institute for Defence Studies and Analysis (IDSA), Delhi. Funded by Department of Electronics and Information Technology (DeitY). 2015 – 2017.
- Upon request from CBI HQ in Delhi, hosted 4 police officers from Royal Canadian Mounted Police at IIITD, as part of their Delegation to India. April 21, 2015.
- Part of a 6 member delegation from India to attend the Indo-UK workshop on Underpinning the Development Data Revolution Social Media Data & Research. Organised by ICSSR - ESRC. January 9, 2015.
- Instrumental in setting up multiple Online Social Media Labs in the country. <http://timesofindia.indiatimes.com/city/meerut/Meerut-gets-2nd-social-media-lab-in-country-after-Mumbai/articleshow/48594285.cms>
- Member of a Sub-Group, Micro Mission, National Police Mission setup by the Bureau of Police Research and Development (BPR&D), Government of India. Jan 2015 – Spring 2018.
- Member of a delegation (4 members) from India to attend the First meeting of the Joint Committee on Science and Technology Peru-India in Lima. April 2014.
- Member of Committee to Evolve Long term Technology Perspective Plan (LTTPP) for DRDO. 2012 – 2014. Contributed in framing the DRDO Information Security Procedures and guidelines and drafting the Cyber Security section of the Plan.
- Member of Project Review and Steering Group (PRSG), Development of Active Honeypot for Distributed Honeynet System, by C-DAC Mohali. Funded by Department of Electronics and Information Technology (DeitY). 2012 – 2014.
- Member of Project Review and Steering Group (PRSG), Development and Implementation of Reactive Roaming Scheme for Honeypots, by IIITM Gwalior. Funded by Department of Electronics and Information Technology (DeitY). 2011 – 2012.
- Member of the Indo-Brazil Joint Commission on Science and Technology (JCST) setup by Department of Science and Technology. 2012.

Industry advisory roles / interactions

- First Jury. CII Industrial Innovation Awards 2020. July - Dec 2020.
- Member of the Inaugural Asia Advisory Board of International Association of Privacy Professionals (IAPP). April 2016 – Spring 2018.
- Founding member of the CSO Forum Advisory Council, India, 2010 - Dec 2015.

University, IIT Delhi

- Dean of Student Affairs. Dec 2019 – Present.
 - Part of the Stakeholders Committee during COVID 19, March 2020 – June 2020
 - Committees part of
 - * Chair On-boarding Students Committee, setup on the director of Board for COVID 19
 - * Chair Institute Disciplinary Action Committee
 - * Chair Institute hostel fee committee
 - * Chair Institute Student Welfare Account Committee
 - * Chair Institute Anti-Ragging Committee
 - * Chair Institute Internal committee for the students with disabilities
 - * Oversee Medical Insurance facility for students
 - * Member of a few other Institute committees
 - Propose yearly budget for Office of Student Affairs
 - Oversee the planning and execution of
 - * ESYA
 - * ODYSSEY
 - * Induction
 - * TEDx
 - * Triquetra
 - * Cadence
 - Formation of Student Council every year
 - Oversee mandatory Institute compliances including handbooks, annual reports, updates to BoG, Delhi Government, UGC, AICTE and any other from time to time.
 - Formulate policies related to the Student Affairs domain and its approvals with implementation.
- Lead in developing the B.Tech. Minor in Entrepreneurship
- Associate Dean of Student Affairs. June 2019 – Dec 2019.
- Member, Advisory committee. Innovation and Incubation Centre, IIT Delhi.
- Post Graduate Admissions Panel. IIT Hyderabad. Summer 2018.
- Helped with IIITD being part of the National CoE Partnership for Cyber Security Research and Technology development with Data Security Council of India
- Associate Dean of Alumni Relations and Communications. July 2017 - April 2018.
 - Helped organise Retrace'18 our annual alumni meet.
 - Co-Organised and participated in multiple alumni meets around the country, Bengaluru, Noida.
 - Created Alumni Awards
 - Organised multiple Alumni connect programs between current students and Alums
 - Helped organise public lecture, Nov 2017
- M.Tech. Co-ordinator, M.Tech. in Computer Science specialization in Information Security. Aug 2016 - April 2018.
- Member of PGC, Aug 2016 – Spring 2018. April 2013 – Jan 2014
- Faculty Co-ordinator, Entrepreneurship activities, May 2014 - July 2015. Instrumental in setting up the Incubation Centre
- Member of many selection committees to recruit staff

- Principal architect for the MoU between IIITD & CISO Academy, Sept 2014
- Founding Head, Cybersecurity Education and Research Centre, Jan 2014 - Spring 2019. Instrumental in setting up the Centre
- Branding Coordinator, Aug 2013 – April 2014
- R & D Committee. Aug 2013 – Jan 2014
- Member of PGC, April 2013 – Jan 2014
- Member of 5th year Anniversary committee, April 2013 – Oct 2013
- Founding Alumni Relations Coordinator, IIIT Delhi, 2012 – 2013
- Founding M.Tech. Coordinator, IIIT Delhi, 2010 – 2012
- Founding faculty sponsor for the IIIT-Delhi ACM Student Chapter, IIIT-Delhi, 2010 – 2012
- Founding faculty patron for Research Showcase, 2010 – 2012
- Founding IIIT-Delhi Seminar Series Coordinator, 2009 – 2011
- Member of M.Tech. Student Admissions Committee, IIIT-Delhi, 2010 – 2011
- Member of Ph.D. Student Admissions Committee, IIIT-Delhi, 2010
- Member of the Senate, IIIT-Delhi, 2009 – 2011

Service to Profession

- Member of Senate, IIIT Una, Spring 2020 – Present
- Member, ACM India Council, July 2020 – Present
- Spear head ACM India Ph.D. Clinic, as program facilitates CS PhD students from all over the country to obtain inputs and advice from expert mentors located in premier academic institutions and industry.
- Spear head ACM India Anveshan Setu Ph.D. Student Fellowship, an opportunity to get up close and personal with best research practices outside their parent institutes. A longer and more intense mentoring experience beyond ACM India PhD Clinic.
- Regularly review Ph.D. and Masters thesis from IITs, IIITs, NITs, and other premier institutes in India and abroad.
- Member. Fulbright-Nehru Doctoral Research Fellowships National Selection Committee Meeting (STEM). 2020 - 2021.
- Mentor. Initiative for Research and Innovation in Science (IRIS) by Indo-US Science and Technology Forum (IUSTF). Spring 2020.
- Member. Selection Committee for the IUSSTF-Viterbi internship Program. 2019.
- Honoured Guest at the 16th Ryan International Childrens Festival. Dec 17, 2019.
- Panelist. AI for a smart & connected world, NXP Semiconductors Noida. Aug 20, 2019.
- Jury. Grand Finale of NXP India Young Innovators Design Challenge. July 19, 2019. 50+ participants.
- Jury. Judging the games developed by students at the Student Technology Education Program (STEP) <https://www.iiit.ac.in/step/> at IIIT Hyderabad. May 31, 2019
- Co-organized ACM Summer School on Cybersecurity & Data Analytics. 8 to 18 July, 2019.
- Examiner. Ph.D. thesis. Akash Anil. Link Prediction in Heterogenous Information Networks: From Network Topology to Network Embedding. Guwahati. Feb 5, 2020.
- Examiner. Ph.D. thesis. Some improvements of Context Aware Recommendation Systems using Cross Domain Knowledge. IIIT Noida. Aug 19, 2019.
- Reviewer, Journal of Artificial Intelligence Research
- Program Committee Member CODS-COMAD 2021

- Program Committee Member CODS-COMAD 2020
- Helped organise India – Hague Cybersecurity Summer School. Hague, Netherlands. 9 – 13 July, 2018
- Co-Organizer Summer School on Social Computing. 29 June – 3 July, 2018. This was organised at IIT Hyderabad.
- Program Committee Member CODS-COMAD 2020
- Program Committee Member CHI 2019
- Board of Studies, B.Tech on Cybersecurity. Raksha Shakti University, Gujarat. Fall 2017 – Spring 2018
- Board of Studies , Faculty of Engineering and Technology, Indira Gandhi Delhi Technical University For Women (IGDTUW). March 2018 – Spring 2018
- Co-organized Winter School on User Experience Design with Prof. Aman Parnami. 2018. IIT Hyderabad.
- External Program Curriculum Reviewer, Masters in Computer Applications (MCA) and M.Sc. Computer Science, Delhi University.
- External Masters thesis examiner. Jaypee Institute of Information Technology, Delhi. May 2017
- External B.Tech. thesis examiner. IGDTUW. May 2017.
- Program Committee Member WWW 2018
- Program Committee Member ICWSM 2018, 2019, 2020, 2021
- Program Committee Member CSCW 2018
- Program Committee Member Privacy Enhancing Technologies Symposium (PoETS) 2017, 2018
- Technical Program Co-Chair IEEE Intelligence and Security Informatics (ISI) 2018
- On Student Review Committee for a couple of Ph.D. students at IIT Delhi
- Co-Organizer for Security and Privacy Symposium. Attended by 100+ participants, including faculty / researchers, and students from all around India. 6 April, 2018.
- Co-Organizer Summer School on Privacy and Security in Online Social Media. 3 – 7 July, 2017. This was organised at IIT Hyderabad.
- Co-organized Winter School on User Experience Design with Prof. Aman Parnami. Dec 4 - Dec 7, 2017. IIT Delhi <https://iiitd.ac.in/uxd-winterschool2017/>
- Co-organized the Workshop on User Generated Content at IISc. 70+ participants.
- Co-Organizer Summer School on Privacy and Security in Online Social Media. 3 – 7 July, 2017.
- M.Tech. Thesis examiner, JIIT, May 2017
- Co-Organizer for Security and Privacy Symposium. 10 – 11 Feb, 2017.
- Program Committee member of ICWSM 2017, 2018, 2019
- Instructor, Workshop for School Teachers on Strategies for Safe and Effective Use of Online Social Media. May 2, 2015.
- Co-Organizer for Security and Privacy Symposium. 12 – 13 Feb, 2016.
- Technical PC Co-Chair, ACM Compute 2015 Conference, India.
- Co-Organizer for Security and Privacy Symposium. Attended by 150+ participants, including 40 faculty / researchers, and 60 students from all around India. 14 – 15 Feb, 2015.
- Committee member for evaluating scholars for Chevening TCS Cyber Policy Scholarship Programme. Dec 2, 2014.
- Co-Organizer for Social Design Jam. Attended by 65+ participants. 1 – 3 Aug, 2014.

- Co-Organizer Innovate Delhi Entrepreneurship Academy, India. innovatedelhi.com 120+ participants from all around the country attended the program. This program was co-organized with Stanford Business School.
- Co-Organizer for Security and Privacy Symposium. Played the role in conceptualizing this event until and organizing the complete technical aspects of the Symposium. Attended by 100 participants, including 40 faculty / researchers, and 60 students from all around India. 20 – 22 Feb, 2014.
- Taught 12 hours of lecture in Prof. Dheeraj Sanghi's course on Computer Security at IIT Kanpur. 13 – 16 Jan, 2014. Topics covered – Taught Privacy, Trust, and Social Engineering.
- Part of the Technical Advisory Committee for the ACM Conference on Online Social Networks (COSN), cosn.acm.org. Six of the best workshops on Online Social Media were merged to create this conference and we are looking at making this a single big conference in the area of Online Social Networks. Program Committee member: 2014. Publicity & Web Chair: 2013, 2014, 2015
- Co-organizer for the Workshop on Privacy and Security in Online Social Media, Co-located with WWW 2013, <http://precog.iiitd.edu.in/events/psosm2013/>
- Co-Organizer for Indo-UK workshop on Cybersecurity. Attended by a 14 member delegation from the UK and 15 member team from India. This was funded by Department of Science and Technology, India. 24 – 27 March, 2013. Infosys funded one day visit to the Hyderabad campus for the delegation. indouk-cs.iiitd.ac.in
- Co-Organizer for the Workshop on Consumer Privacy Around the Globe at the Global Privacy Summit, March 6 – 8, 2013. This was attended by about 30 privacy professionals around the globe. Washington DC, USA.
- Co-Organizer for Security and Privacy Symposium. Played the role in conceptualizing this event until and organizing the complete technical aspects of the Symposium. Attended by 100 participants, including 60 faculty / researchers, and 40 students from all around India. 28 Feb – 2 March, 2013. <http://www.cse.iitk.ac.in/users/sps2013/>
- Program Committee member for the International World Wide Web Conference, WWW 2013 – 2017.
- Program Committee member for 8th ACM Symposium on Information, Computer and Communications Security (ASIACCS), 2013.
- Program Committee member for Sixth Workshop on Analytics for Noisy Unstructured Text Data (AND) collocated with COLING 2013.
- Co-organized a Tutorial with my Ph.D. student Aditi Gupta on Privacy and Security in Online Social Media. International Workshop on Information Security. 15 – 19 Dec, 2012.
- Co-organizer for the Workshop on Privacy and Security in Online Social Media, Co-located with WWW 2012,
- Co-organizer for the Internship Program in Technology Supported Education (IPTSE), Winter School 2011, <http://precog.iiitd.edu.in/ws2011/>
- Co-organized a one day workshop on Privacy and Security in Online Social Media, 23 July, 2011. CDAC-Hyderabad.
- Publicity Co-Chair, Thirteenth International conference on Mobile Data Management, 2012
- Reviewer for ACM's Transaction of the Web (TWEB)
- Program committee member for IEEE International Conference on Information Privacy, Security, Risk and Trust (PASSAT), 2011
- Reviewer for INTERACT 2011, Conference on Human-Computer Interaction
- Program committee member for Second Workshop on Ubiquitous Crowdsourcing, 2011
- Program committee member for 3rd International Workshop on Security in Cloud Computing (Cloud-Sec), 2011
- Program committee member of eCrime Researchers Summit, 2010, 2011

- Co-Organizer, Privacy and Security in Social Media: An International Perspective (PSSM), 2011
- Track Co-Chair, Spam & Security in Social Networks at Collaboration, Electronic Messaging, Anti-Abuse and Spam Conference (CEAS), 2011
- Program Committee, International Workshop on Security and Privacy in Spontaneous Interaction and Mobile Phone Use, 2011
- Committee, Multidisciplinary paper on privacy, Computers, Privacy & Data Protection CPDP 2011
- Program Committee, IEEE Symposium on Computational Intelligence in Cyber Security (CICS), 2011
- External reviewer, Swiss National Science Foundation (SNSF), 2010
- Program Committee, ACM International Conference on Information and Knowledge Management (CIKM), 2010
- External Reviewer, Military Communications Conference, Unclassified Program, Track on Cyber Security and Network Management, 2010
- Program Committee, International Workshop on Security in Cloud Computing, 2010
- Program Committee, International Workshop on Security and Privacy in Spontaneous Interaction and Mobile Phone Use, 2010
- Programme Committee, I-CARE (IBM-IRL Collaborative Academia Research Exchange), 2010
- Coordinating Editor, Information Systems Frontier, April 2010 - July 2013
- Invited member for Action Group Committee, Information Security Education and Awareness Program, Government of India, April 2010
- Program Co-Chair, Collaboration, Electronic messaging, Anti-Abuse and Spam Conference, 2010
- Program committee member of Symposium on Usable Privacy and Security (SOUPS), 2010
- Reviewer for Computer Human Interaction (CHI), 2009, 2010 – 2017
- Reviewer for The Eighth International Conference on Pervasive Computing, 2010
- Reviewer for Impact: Journal of Applied Research in Workplace E-learning
- Reviewer for ACM's Transactions on Internet Technology (TOIT)
- Program Co-Chair, eCrime Researchers Summit, 2009
- Usable Security Track Co-Chair, International conference and workshop on Cyber Security, Cyber Crime and Cyber Forensics, 2009
- Reviewer for International Journal of Information Security
- External reviewer for Financial Cryptography 2009
- Panelist for selecting best course project in 08-731 - Web commerce, security, and privacy, Fall 2008, CMU
- Judge in evaluating course projects in 95-762 - Privacy in the Digital Age, Fall 2008, CMU
- Active member of the Internet Policy Committee (IPC), Anti-Phishing Working Group. 2008 – 2009
- Student volunteer, Symposium On Usable Privacy and Security, 2008
- Program committee member of Faculty Workshop on Secure Software Development, 2008
- Active member of the Advisory board for creating a credential Certified Information Privacy Professional (Information Technology), CIPP(IT) for International Association of Privacy Professionals (IAPP). 2007 – 2009
- External reviewer for Computer Human Interaction (CHI), 2008
- Program committee member of e-business congress in Toronto, 2007
- External reviewer for 7th Workshop on Privacy Enhancing Technologies, 2007

- External reviewer for 4th International Conference on Trust, Privacy & Security in Digital Business, 2007
- Program committee member of W3C Workshop on Languages for Privacy Policy Negotiation and Semantics-Driven Enforcement, 2006
- External reviewer for 3rd International Conference on Trust, Privacy & Security in Digital Business, TrustBus, 2006
- External reviewer for International Conference on Privacy, Security and Trust, PST, 2006
- Graduate student representative to the Graduate Student Assembly (GSA) of Carnegie Mellon University for COS PhD. program (Spring 2006, Fall 2006)
- Posters Co-chair for Symposium On Usable Privacy and Security, 2005
- President of the Software Process Improvement Network (SPIN), IIIT Hyderabad Chapter, India, Feb 2003 - Feb 2004

ONLINE SOCIAL MEDIA TRAINING PROGRAMS. June 2015 - Present

- Using Social Media for National Security. Police Head Quarters, Uttarakhand, Oct 29, 2020
- Twitter Analysis. CBI Academy. Aug 17, 2020.
- Talk. Social Media Analytics. Delhi Police. April 28, 2020.
- Talk. Social Media Analytics & Its Exploitation. Army War College, Indore. Feb 19, 2020
- Talk. Using Online Social Media for law & Order, Intelligence, and Investigation. CyPAD, Delhi Police. Dec 23-24, 2019
- Talk. Using Social Media for Border Management, Cyber crime, Big Data Analytics. SSB Academy, Bhopal. Dec 20, 2019
- Talk. Using Online Social Media for law & Order, Intelligence, and Investigation. CBI Academy, Delhi. Nov 27, 2019
- Talk. Using Social Media for Border Management. SSB Academy, Bhopal. Nov 21, 2019
- Talk. Use of Social Media for Prevention and Detection of Crime. National Institute of Criminology & Forensic Science, Delhi. Nov 13, 2019
- Talk. Social Media Analytics & Its Exploitation. Army War College, Indore. Oct 17, 2019
- Talk. Using Online Social Media for law & Order, Intelligence, Investigation and Internal Security. Telangana State Police Academy, Hyderabad. Sept 16 - 17, 2019
- Talk. Power of Social Media for Identification. Workshop on Role of Technology in Reuniting Missing Children and Trafficked Persons. National Crime Records Bureau (NCRB), New Delhi. Aug 5, 2019
- Talk. Using Online Social Media for law & Order, Intelligence, Investigation and Internal Security. NPA, Hyderabad. July 2, 2019
- Talk. Using Online Social Media for law & Order, Intelligence, and Investigation. Academy for Smart Policing, Delhi. June 20, 2019
- Talk. Using Online Social Media for law & Order, Intelligence, Investigation and Internal Security. NPA, Hyderabad. June 7, 2019
- Talk. Using Online Social Media to Study Terrorism. National Investigation Agency (NIA), New Delhi. June 4, 2019
- Using Online Social Media for Law & Order, Intelligence, Investigation and Internal Security. NPA. Full course as instructor. Feb 11 – 13, 2019. 60+ officers attended.
- The Challenges of Cyber Security in the context of National Security. NIA Academy, Delhi. Feb 22, 2019

- Using Online Social Media for Law & Order, Intelligence, Investigation and Internal Security. Pune Police. Feb 18, 2019. 50+ officers attended.
- Social Media Analytics & Its Exploitation. Army War College, Indore. Feb 11, 2019.
- Social Media Analytics & Its Exploitation. Army War College, Indore. Oct 6, 2018.
- Using Online Social Media for Internal Security. NPA Hyderabad. Oct 1, 2018.
- Using Online Social Media for Law & Order, Intelligence, Investigation and Internal Security. BPRD. May 17, 2018. 50+ officers attended.
- Social Media for Policing. National Police Academy. March 23, 2018.
- Social Media for Policing. National Industrial Security Academy. Feb 14, 2018.
- Social Media Forensics. 24th All India Forensics Science Conference. Feb 11, 2018. 350+ participants.
- Social Media for Policing. CBI Academy. March 23, 2018.
- Social Media for Policing. CISF, Delhi. Nov 2, 2017.
- Using Online Social Media for Policing, National Police Academy (NPA), Hyderabad. May 16, 2017. 38 officers.
- Social Media tracking for Issue Management: Point - Counterpoint. Organised for Indian Information Service Officers, May 11, 2017. In IIIT Delhi. 10 officers.
- Using Online Social Media for Policing, Intelligence, L&O and Investigation. National Police Academy (NPA), Hyderabad. May 16, 2017. 38 officers attended.
- Social Media tracking for Issue Management: Point - Counterpoint. Organised for Indian Information Service Officers, May 11, 2017. In IIIT Delhi. 10 officers attended.
- Using Online Social Media for Policing, Intelligence, L&O and Investigation. Organised by Ministry of Home Affairs. April 27, 2017. 100+ officers all around the country attended.
- Using Online Social Media for Policing, Intelligence, L&O and Investigation. National Police Academy (NPA), Hyderabad. Feb 15, 2017. 38 officers attended.
- Privacy and Security in Online Social Media. DRDO, Delhi. Feb 14, 2017. 30+ scientists / officers attended.
- Online Social Media Analysis: Its Use in Intelligence Gathering and Online Investigations. CBI Academy. Jan 18, 2017. 20+ officers attended.
- Exploitation of Social Networking Sites for Perception Management. Army War College, Indore. Oct 19, 2016. 17+ officers attended.
- Using Online Social Media for Policing, Intelligence, L&O and Investigation IIITD campus. Oct 17 - 18, 2016. 15+ officers attended.
- Cybersecurity: Online Social Media, Email Security, & Privacy. Indian Army. Oct 5 - 6, 2016. 12+ officers attended.
- Using Online Social Media for Policing, Intelligence, L&O and Investigation. As part of a course organised by National Crime Records Bureau (NCRB) Delhi. Sept 23, 2016. 20+ officers attended.
- Using Online Social Media for Policing, Intelligence, L&O and Investigation. IIITD campus. Sept 27 - 28, 2016. 55+ officers attended.
- Using Online Social Media for Policing, Intelligence, L&O and Investigation. IIITD campus. Sept 14 - 15, 2016. 20+ officers attended.
- Privacy and Security in Online Social Media. DRDO. Sept 8, 2016. 20+ scientists / officers attended.
- Using Online Social Media for Policing, Intelligence, L&O and Investigation. IIITD campus. National Police Academy (NPA), Hyderabad. Aug 10, 2016. 25+ officers attended.
- Helped organise a workshop on Online Social Media and Policing. National Police Academy (NPA), Hyderabad. March 22 - 23, 2016. 25+ officers attended.

- Using Online Social Media for Policing, Intelligence, L&O and Investigation. IIITD campus. March 14 - 15, 2016. 30+ officers attended.
- Using Online Social Media for Policing, Intelligence, L&O and Investigation. IIITD campus. Dec 14 - 16, 2015. 30+ officers attended.
- Online Social Media Analysis: Its Use in Intelligence Gathering and Online Investigations. CBI Academy. Nov 30, 2015. 20+ officers attended.
- Using Online Social Media for Policing, Intelligence, L&O and Investigation. Kerala Police, Trivandrum. Nov 24, 2015. 65+ officers attended.
- Using Online Social Media for Policing, Intelligence, L&O and Investigation. Jharkhand Police, Ranchi. Nov 19, 2015. 25+ officers attended.
- Using Online Social Media for Policing, Intelligence, L&O and Investigation. Criminal Investigation Department (CID), Kolkata, West Bengal. Oct 29, 2015. 15+ officers attended.
- Use of Open Source Intelligence and Social Media Analysis. As part of a Counter Terrorism course at National Police Academy, Hyderabad. Oct 15, 2015. 30+ participants attended.
- Use of Open Source Intelligence and Social Media Analysis. Press Information Bureau, Government of India. Oct 26 - 30, 2015. 6 officers attended.
- Exploitation of Social Networking Sites for Perception Management. Army War College, Indore. Oct 10, 2015. 45+ officers from 8 - 16 years of experience from all around the country attended.
- Master Trainers' Program. Staying Safe Online for School Teachers. Co-organized with Central Board of Secondary Education (CBSE). Oct 7 - 8, 2015. 50+ Teachers from all around Delhi & NCD attended.
- Using Online Social Media for Policing, Intelligence, L&O and Investigation. Three officers from Government of India. Sep 28 - 29, 2015.
- Using Online Social Media for Public Perceptions. Sep 8, 2015. 13+ officers from Press Information Bureau, Government of India attended.
- Strategies for Safe and Effective Use of Online Social Media for School Teachers. Half day workshop. Organised by Bangalore Sahodaya Schools Complex. Sep 7, 2015. 135+ participants attended.
- Use of Open Source Intelligence and Social Media Analysis. As part of a Counter Terrorism course at National Police Academy, Hyderabad. Sep 2, 2015. 30+ participants attended.
- Online Social Media & Open Source Intelligence. As part of a Workshop on Cyber Crime Investigation at North Eastern Police Academy, Meghalaya. Aug 29, 2015. 50+ participants attended.
- Online Social Media & Open Source Intelligence. As part of a Basic course for probationers at North Eastern Police Academy, Meghalaya. Aug 29, 2015. 150+ participants attended.
- Social Media Issues & Monitoring. At Intelligence Bureau training institute, New Delhi. Aug 27, 2015. 35+ participants attended.
- Using Online Social Media for Policing, Intelligence, L&O and Investigation. At CBI Academy, Ghaziabad. Aug 26, 2015. 35+ participants attended.
- Co-organized a half-day workshop with National Security Council Secretariat (NSCS), Government of India on Impact of Social Media on Public Perception, Public Order and National Security. 22 Aug 2015.
- Staying Safe Online. Delhi Public School, Bengaluru North. July 1, 2015. Half day workshop. In 2 batches, 800 + 400 students attended.
- Using Online Social Media for Policing, Intelligence, and L&O. National Industrial Security Academy (NISA), Hyderabad. June 19, 2015. Half day session. 65+ officers attended.
- Using Online Social Media for Policing, Intelligence, L&O and Investigation. Mysuru Police. Half day session. June 5, 2015. 20+ officers attended. Organised by the Commissioner of Police, Mysuru.

SELECTED INVITED TALKS / LECTURES

- Data Science for Social Good. Keynote. Mahatma Gandhi University. Inauguration of ACM Student chapter. March 29, 2021.
- Data Science for Social Good. Keynote. 4th edition of International conference on Computational Intelligence in Data Science (ICCIDS). March 19, 2021.
- Valedictory Address. One Week Online NITTTR Chandigarh and ACM-USICT Chapter, GGSIP University sponsored STTP on Cyber Security & Forensics. March 12, 2021.
- Ask-Me-Anything: Supporting your Ph.D. Journey. SRM Institute of Science and Technology, School of Computing in association with ACM-W Chennai Chapter. March 9, 2021.
- Data Science for Social Good. Pulzion 2021. PICT ACM Student Chapter (PASC), Pune. March 5, 2021
- Web Science for Social Good. Workshop on Web Science For Development (WS4D), IIT Bangalore. Feb 20, 2021
- #PhDLife: Different Strokes for Different Folks. Invited talk. Young Researchers Symposium. CODS-COMAD. 3 Jan, 2021.
- Privacy and Security in Online Social Media. Short Term Training Program on Cyber security and Penetration testing. SVNIT, Surat. Dec 29, 2021.
- #Privacy #Security #SocialMedia #Fake #Shadow #Profiles #Bots. NIT Jalandar. FDP on Big Data Computing, IIT Una Nov 26 & 28, 2020
- Strategies for Scientific Communication. SSNCE Research Scholars' Colloquium. Oct 24, 2020.
- KillFies, GeneralElections2019 and FakeNews at Vaibhav Summit, Sept 2020
- Strategies for Scientific Communication. NIT Jalandar. Sept 26 & 28, 2020.
- Social Computing: Sel(Kill)fies, Distracted Driving, and Medicine. ACM India Student Webinar. July 21, 2020.
- Social Computing, Machine Learning & Online Social Media. Institute of Mathematical Sciences (IMSc). Feb 17, 2020.
- Tackling Misuse of Social Media in Illicit Drug Trafficking. BIMSTEC [Bay of Bengal Initiative for Multi-Sectoral Technical and Economic Cooperation] Conference on Combatting Drug Trafficking. Feb 14, 2020.
- Social Computing, Machine Learning & Online Social Media. IIT Guwahati. Feb 5, 2020.
- Credibility / Misinformation / Fake News Research @ Precog. Trust & Security Roundtable MSR - Bengaluru. Jan 22, 2020
- Keynote. #LoksabhaElections2019 & Social Media. 7th International Conference on Big Data Analytics in Ahmedabad. Dec 18, 2019.
- Usable Security, Distracted Driving, Selfie Deaths. New Frontiers in Human Centered Systems. Dec 13, 2019.
- Fake News, Elections, and Online Social Media, as part of TEQIP III program on Graph Theory and its Applications. Delhi Technical University. Nov 29, 2019.
- Social Computing, Machine Learning & Online Social Media, as part of Advanced Technical Talks. Cadence Noida. Nov 20, 2019.
- Privacy & Security in Online Social Media. As part of ACM Eminent Speaker Program Series, organized by Persistent Systems. Nov 16, 2019.
- Social Computing, Machine Learning & Online Social Media. LNMIIT. Oct 3, 2019.
- Social Computing, Machine Learning & Online Social Media. NMAMIT Karnataka. Sept 26, 2019.
- Elections, KillFies, Fake Content & Online Social Media. NIT Suratkal. Sept 26, 2019.

- Social Computing, Machine Learning & Online Social Media. NIT Trichy. Sept 23, 2019.
- Social Computing, Machine Learning & Online Social Media. Manipal University Jaipur. Sept 20, 2019.
- Fake Content, Manipulated Accounts, Chatbots, and KillFies on Social Media. NII Tokyo, Japan. Sept 11, 2019.
- Fake Content, Manipulated Accounts, Chatbots, and KillFies on Social Media. IIT Bhilai. Aug 28, 2019.
- Social Computing, Machine Learning & Online Social Media. IIT Patna. Aug 26, 2019.
- Social Computing, Machine Learning & Online Social Media. IIT Kanpur. Aug 22, 2019.
- Machine Learning & Social Media. Part of a one week training program on "Recent Trends in AI & Machine Learning" at Delhi Technical University. Aug 6, 2019. 45+ participants
- Machine Learning & Social Media. Summer School of Machine Learning, IIIT Hyderabad. July 13, 2019. 150+ participants.
- #LokSabhaElections2019 A Data Science View. 50th Geek Night Hyderabad. ThoughtWorks, Hyderabad. May 8, 2019
- PSG College of Engineering, Coimbatore. Fake content, Manipulated accounts, Scams, Social Media Risk Communication & #Elections2019. April 26, 2019
- Rishi MS Institute of Engineering and Technology for Women. Social Media Risk Communication & #Elections2019. April 2, 2019
- Social Media for Central Banking. Reserve Bank Information Technology Private Limited (ReBIT), Mumbai. March 28, 2019
- #India #Elections2019 #SocialMedia. Social Media & Indian Democracy. National Law University, Delhi. March 25, 2019
- Ask Me Anything! #AMA Ph.D. Life, What to get out of Ph.D.?... ExOR: Excitement of Research. IIIT Hyderabad. March 16, 2019
- Seminar on Cybersecurity. SSN Chennai. Social Media Risk Communication & #Elections2019. March 15, 2019
- Security & Privacy of Cyber-Physical Systems. IIIT Jabalpur. Social Media Risk Communication & #Elections2019. March 8, 2019
- WebScience Symposium. IIT Madras. Social Media Risk Communication & #Elections2019. Feb 26, 2019
- Veermata Jijabai Technological Institute (VJTI), Mumbai. Privacy and Security in Online Social Media. Feb 5, 2019.
- Saving Lives through Technology. Workshop on AI for Computational Social Science. Feb 2, 2019
- Mini Goa tour covering 3 engineering colleges. BITS Pilani Goa, KLS Gogte Institute of Technology Belgaum, NIT Goa. 28 – 31 Jan, 2019. Gave talks at all institutes, and a keynote at KLS Gogte.
- B V Raju Institute of Technology (BVRIT) College of Engineering for Women, Hyderabad. Privacy and Security in Online Social Media. Jan 9, 2019. We also conducted a one day hands-on session on the topic.
- The Challenges of Cyber Security in the context of National Security. NIA Academy, Delhi Dec 4, 2018
- Power of Studying Computing! Inauguration of ACM Chapter. VNR VJIET, Hyderabad. Oct 24, 2018
- Changing Threat Landscape / Social Computing for Business: Opportunities & Challenges. Honeywell Technology Solutions. Oct 10, 2018
- IIIT Bangalore. Privacy and Security in Online Social Media. Oct 10, 2018

- As part of the course Privacy in the Digital Age. Privacy that Excites me! IIIT Bengaluru. Oct 9, 2018
- TEDx talk. Saving Lives through Technology. Oct 7, 2018.
- IIT Tirupati. KillFies and Fake Content on Online Social Media. Sept 26, 2018
- KillFies and Fake Content on Online Social Media. SASAI Institute of Technology & Engineering ACM Chapter Inauguration. Sept 19, 2018
- Mini Chicago tour covering University of Chicago, University of Illinois Chicago, University of Illinois at Urbana-Champaign (UIUC). Gave talks in all these campuses. 10 – 14 Sept, 2018
- IIT Gandhinagar. Privacy and Security in Online Social Media. Sept 5, 2018
- Using Online Social Media for Law & Order, Intelligence, and Investigation. Telangana State Police Academy. Aug 31, 2018
- Fake Content, Privacy, Manipulated Accounts on Social Media. IIIT Sri City. Aug 18, 2018
- Mini Tamil Nadu tour covering 6 engineering colleges. College of Engineering Guindy (CEG)/ Chennai, Vellore Institute of Technology (VIT), Sivasubramaniya Nadar College of Engineering (SSN) Chennai, IIT Madras, Thiagarajar College of Engineering - (TCE) Madurai, Kalasaingalam University. 23 – 28 July, 2018.
- India – Hague Cybersecurity Summer School. Hague, Netherlands. Privacy & Security in Online Social Media. July 12, 2018
- Social Computing for Business: Opportunities & Challenges. Honeywell Technology Solutions June 26, 2018.
- Faculty Development Program. NIT Warangal. Privacy & Security in Online Social Media. June 22, 2018
- Workshop on Women in Cybersecurity Research (WCR'18). IIITM-K. Privacy & Security in Online Social Media. May 26, 2018.
- Research With Impact! Zenlabs / Zensar, Hyderabad. May 10, 2019.
- Digital Privacy. NIC, Delhi. April 27, 2018. 50+ physically in Delhi and about 50+ all across the country, like Bengaluru, Hyderabad, Odissa, Kerala, etc.
- Killfies, Fake content, scams, manipulated accounts on social media. Societal computing Seminar. Carnegie Mellon University, USA. April 4, 2018. 20+ students / faculty.
- Social Computing. Greater Noida Institute of Technology. March 21, 2018. 200+ students.
- Contemporary Cyber Crime. Part of One-day workshop on Cyber Crime: Awareness and Defense. Bharati Vidyapeeth's College of Engineering, New Delhi. March 9, 2018. **Chief Guest**
- Part of the Panel on Privacy: Reaching All Communities. Part of the Workshop on Privacy & Growth in a Global Economy, organised by U.S. Department of State, Federal Trade Commission. March 7, 2018. 30+ industry practitioners.
- Privacy and Security in Online Social Media. ACM Distinguished Talk. Part of APOGEE - BITS, Pilani, 35th edition of the technical fest. BITS Pillani, Rajasthan. Feb 22, 2018. 150+ students.
- Fake Content, Scams, Privacy, Manipulated Accounts on Social Media. BITS Pillani, Hyderabad. Feb 16, 2018. 60+ students & faculty.
- Social Complexity & Computing in Online Networks. IIT Hyderabad. Feb 15, 2018. 20+ students & faculty.
- Privacy and Security in Online Social Media. ACM Distinguished Talk. Bennett University, Noida. Jan 25, 2018. 60+ students & faculty.
- Privacy Technologies. National Workshop on Privacy organised by CIS India. Dec 13, 2017. 15 participants.
- Privacy and Security in Online Social Media. Webinar on Techgig.com. Dec 1, 2017. 50+ participants.

- Part of the panel on Emerging Technologies for Monitoring and Control of Illegal Cyber Content. 2000+ total delegates from 120+ countries for the Global Conference on Cyberspace GCCS 217. Around 200+ delegates attended the panel. Conference was inaugurated by the Prime Minister of India. Nov 24, 2017
- Privacy and Security in Online Social Media. ACM Distinguished Talk. Shiv Nadar University, Noida. Nov 15, 2017. 60+ students & faculty.
- Cybercrime. Mamta Modern School, VikasPuri. Oct 31, 2017. 130+ XI standard students.
- Privacy. Bosch Data Security Officers (DSO) APAC summit 2017, Bengaluru. October 24, 2017. 12+ participants.
- Data Science for Security & Privacy. Part of siNUsoid'17, TechFest at NIIIT University. Sept 28, 2017. **Keynote**
- Data Science for Social Good. PyData Delhi 2017. Sept 3, 2017. 150+ participants. **Keynote**
- Privacy and Security in Online Social Media. DRDO. As part of Special Training Programme on Cryptology and Information Security (CIS 2017). Sept 2017. 50+ government of India officials.
- When Selfie Becomes a KillFie. As part of Technical Festival "MindBent" at ITL Dwaraka School, Delhi. Aug 4, 2017. 200+ students. **Keynote**
- Security in Social Media. Accenture Technology Lab. Talk was part of 30 years celebrations of Accenture. July 24, 2017
- Online Social Media. Philips Research. July 25, 2017. 40+ participants.
- Browser Extensions, Identity Resolution, and Privacy on Online Social Media. Summer School on Real-world Crypto & Privacy <https://summerschool-croatia.cs.ru.nl/2017/> June 11 – 15, 2017. 100+ students.
- Data Science for Security and Privacy. Technology Meetup - Data Analytics. Organised by Sapien, Gurugram. April 22, 2017. 40+ industry practitioners attended.
- Data Science for Security and Privacy. Raksha Shakti University. April 20, 2017. 100+ students / faculty attended.
- SNA and OSI Analysis of DRDO: Mechanisms, Impact and Scenario Analysis. DRDO. April 13, 2017. 30+ scientists / officers attended.
- Privacy and Security in Online Social Media. ACM Distinguished Speaker Lecture. IIIT Allahabad. April 11, 2017. 60+ students / faculty attended.
- Privacy and Security in Online Social Media. ACM Distinguished Speaker Lecture. Amrita University. March 28, 2017. 80+ students / faculty attended.
- Privacy and Security in Online Social Media. Bosch India, Bengaluru. March 15, 2017. 80+ Bosch employees attended. **Keynote**
- Privacy and Security in Online Social Media. ACM Distinguished Speaker Lecture. S A Engineering College. March 7, 2017. 50+ students / faculty attended.
- Credibility, Identity Resolution, and Privacy on Online Social Media. DIO National Meet on Grass root Informatics organized by NIC. Feb 28, 2017. 120+ NIC officers attended.
- Privacy and Security in Online Social Media. ACM Distinguished Speaker Lecture. Manav Rachna International University. Feb 22. 60+ students / faculty attended.
- Social Media and Analytics as an Intelligence Tool. Seventeenth International National Security Guard Seminar, Feb 9, 2017. 200+ officers attended.
- Credibility, Identity Resolution, and Privacy on Online Social Media. At IEEE International Conference on Computing, Analytics and Security Trends (CAST-2016), College of Engineering Pune. Dec 20, 2016. 100+ participants attended.
- Privacy and Security in Online Social Media. CAIR DRDO. Dec 15, 2017. 20+ scientists attended.

- Credibility, Identity Resolution, and Privacy on Online Social Media. Indian Institute of Technology, Karaghpur (IITKGP). ACM Distinguished Speaker talk. Nov 17, 2016. 30+ students / faculty attended.
- Credibility, Identity Resolution, and Privacy on Online Social Media. As part of Indo Belarus Bilateral Workshop on Cyber Security at CDAC Noida. Nov 16, 2016. 30+ delegates attended.
- Research at Precog! Bosch, Bengaluru. Nov 9, 2016.
- Identity Resolution, Privacy, and Policing on Online Social Media. University of Baltimore County (UMBC), USA. ACM Distinguished Speaker talk. Oct 14, 2016. 15+ participants.
- Research, Education, and Cybersecurity Policies in India. As part of a course Cybersecurity Governance: A Data-Driven Approach taught by Prof. Virgilio Almeida. Harvard University, USA. Oct 13, 2016.
- Introduction to Cybersecurity. Army HQ, Delhi. As part of a Cybersecurity course offered by CERC. Oct 5 - 6, 2016. 20+ participants.
- Online Social Media: Privacy and Security Implications. As part of DWIH Conference: CitySpaces organized by Max Planck Gesellschaft (MPG). Sept 29, 2016. 100+ participants.
- Credibility, Identity Resolution, Privacy, and Policing on Online Social Media. Indian Institute of Technology, Guwahati (IITG). ACM Distinguished Speaker talk. Sept 24, 2016. 90+ participants.
- Privacy and Security in Online Social Media. International Symposium on Security in Computing and Communications (SSCC'16), Jaipur, India. 100+ participants. **Keynote**
- Privacy and Security in Online Social Media. As part of the course Cryptology and Information Security (CIS) organised by Defence Research and Development Organisation (DRDO). Sept 8, 2016. 25+ participants.
- Digital Forces – Social: Research at Precog@IIIT-D, Future Trends, Potential Student Projects. As part of NPTEL & TCS's Faculty Development Programme to faculty from various engineering colleges in India. Sept 7, 2016. 100+ participants.
- Stop-Think-Connect: Past, Present, and Future. As part of Anti Phishing Working Group Symposium, Bern, Switzerland. Sept 1, 2016. 30+ participants.
- Privacy and Security in Online Social Media. ETH Zurich, Switzerland. July 7, 2016. 30+ participants.
- Privacy and Security in Online Social Media. GESIS - Leibniz Institute for the Social Sciences, Koln, Germany. June 28, 2016. 20+ participants.
- Online Social Media: Opportunities, Challenges, and Pitfalls. Summer Workshop on Online Social Media: Developer's Perspective at IGDTUW, Delhi. June 6, 2016. 50+ participants. **Keynote**
- **TEDxJuhu**. Web 2.0: With Great Online Power Comes Great Responsibility. April 9, 2016. 1000+ participants.
- Privacy and Security in Online Social Media. As part of Workshop on Analysis and Inference from User Generated Content (WAIU). IISc Bangalore. March 28, 2016. 80+ participants attended.
- Privacy and Security in Online Social Media. IIIT Hyderabad. March 23, 2016. 80+ participants attended.
- Privacy and Security in Online Social Media. Data 61, Australia. Feb 22, 2016. 5+ participants attended.
- Privacy and Security in Online Social Media. Bharati Vidyapeeth College of Engineering, New Delhi. ACM India Eminent Speaker talk. Feb 17, 2016. 100+ participants attended.
- Privacy and Security in Online Social Media. As part of Academic Research Summit, Pune. Jan 30, 2016. 80+ participants attended.
- Privacy and Security in Online Social Media. As part of Workshop on Data Analytics & Its Security Issues. Jaypee Institute of Information Technology, (JIIT). Dec 4, 2015. 80+ participants attended.

- Online Social Media - Opportunities, Pitfalls and Challenges. National Conference of Women Police ? Looking Ahead. Nov 24, 2015. Kerala Police, Trivandrum. 200+ Women police officers.
- Mitigating Misinformation Spread on Micro-blogging Web Services using TweetCred. Workshop on Social Media in Communication, Governance and Security, 5 – 6 November 2015, Singapore. 90+ participants attended.
- Privacy and Security in Online Social Media. ITM University, Gurgaon. ACM India Eminent Speaker talk. Sept 13, 2015. 180+ participants attended.
- Privacy and Security in Online Social Media. As part of the a short-term course Cryptology and Information Security (CIS 2015), organized by Scientific Analysis Group (SAG), Defence Research and Development Organisation (DRDO), Government of India. Sept 9, 2015. 50+ participants attended.
- Privacy and Security in Online Social Media. Security and Hacking Conference, C0C0n 2015. Organised by Kerala Police. Aug 20, 2015. 100+ participants attended.
- Privacy and Security in Online Social Media. C4: Conference on Cyber Crime Control. Organised by Mumbai Police. July 28, 2015. 100+ participants attended.
- Privacy and Security in Online Social Media. IIM Bangalore. As part of their regular seminar series. July 24, 2015. 5+ participants attended.
- Privacy and Security in Online Social Media. Infosys Bengaluru. ACM India Eminent Speaker talk. July 22, 2015. 80+ participants attended.
- Privacy and Security in Online Social Media. International Institute of Information Technology (IIIT) Bengaluru. ACM India Eminent Speaker talk. July 22, 2015. 20+ participants attended.
- Privacy and Security in Online Social Media. IBM IRL, Bengaluru. July 21, 2015. 12+ participants attended.
- Privacy @ ICICI. ICICI Head Quarters, Mumbai. June 26, 2015.
- Research @ Precog. Flipkart, Bengaluru. June 22, 2015.
- Online Social Media Labs. As part of Seminar on “IT Applications in Indian Police”. National Police Academy, Hyderabad. June 19, 2015. 40+ officers from all round the country attended.
- Safe Technology Usage. G. D. Goenka Public School. As part of National Technology Day, May 11, 2015. 20+ students attended. Through Google Hangout.
- Cybercrime and Phishing. Army HQ, Delhi. As part of a Cyberscecurity course offered by CERC. Feb 20, 2015.
- Privacy and Security in Online Social Media. Jaypee Institute of Information Technology, NOIDA. ACM India Eminent Speaker talk. March 16, 2015. 140+ participants attended.
- Online Social Media: Opportunities, Pittfals, and Challenges, Defence Research and Development Organisation (DRDO) Headquarters. 30+ participants. Jan 14, 2015.
- Privacy and Security in Online Social Media. Coimbatore Institute of Technology (CIT), Coimbatore. ACM India Eminent Speaker talk. Dec 18, 2014. 120+ participants attended.
- Privacy and Security in Online Social Media. PSG College of Technology, Coimbatore. ACM India Eminent Speaker talk. Dec 17, 2014. 40+ participants attended.
- Building Usable Secure Systems. International Conference on Secure Knowledge Management in big-data Era at BITS Pilani, Dubai Campus. Dec 8 – 9, 2014.
- Research work at CERC. Indira Gandhi Delhi Technical University for Women (IGDTUW). Sept 25, 2014.
- Privacy and Security in Online Social Media at a course organized by Defence Research and Development Organisation (DRDO). Sept 24, 2014.
- Privacy and Security in Online Social Media. ACM Pune’s Workshop on Cybersecurity. ACM India Eminent Speaker talk. Sept 13, 2014. 70+ participants attended.

- Conducting high quality research in Cybersecurity. Sardar Patel University of Police, Security, and Criminal Justice. Sept 2, 2014.
- Privacy and Security in Online Social Media. Thapar University. ACM India Eminent Speaker talk. March 26, 2014. 120+ participants attended.
- Privacy and Security in Online Social Media. Data Privacy Symposium organized by TCS in Chennai. Jan 28, 2014.
- Research at PreCog. UMBC Computer Science and Electrical Engineering Department, USA. March 11, 2013.
- Privacy in India: Attitudes and Awareness 2.0. Privacy Global Summit organized by International Association for Privacy Professionals. 6 – 8 March, 2013. Washington DC, USA.
- Research at PreCog. Gave the inaugural talk at the NSIT ACM Chapter, New Delhi. Feb 13, 2013.
- Privacy in India: Attitudes and Awareness V 2.0. First NORHED partner meeting on ‘Networked Masters and Professional Programmes in Health Information Management in South Asia’ Jan 25 – 26, 2013.
- Research at PreCog. Google Bengaluru. Dec 19, 2012.
- Research at PreCog. EMC Bengaluru. Dec 20, 2012.
- Privacy and Security in Online Social Media, Workshop on Social Computing, IIT Kharagpur. Oct 4, 2012.
- Privacy and Security in Online Social Media, International Workshop on Information Security, BITS Pilani, Hyderabad campus. Dec 2012.
- Privacy in India: Attitudes and Awareness V 2.0. CSO Summit, Dec 6 – 7, 2012.
- Privacy in India: Attitudes and Awareness V 2.0. Vodafone Privacy Summit, Nov 22, 2012.
- Privacy and Security in Online Social Media, Indira Gandhi Institute of Technology, Delhi. Part of the ACM event. July 23, 2012.
- Privacy and Security in Online Social Media, Bell Labs, Ireland. June 27, 2012.
- Research at PreCog, Universit della Svizzera italiana, Lugano, Oct 9, 2011.
- Privacy and Security Research at PreCog, Universidade Federal do Rio de Janeiro, Brazil, July 1, 2011.
- Privacy and Security Research at PreCog, Brazil, July 4, 2011.
- Designing an Effective Course Curriculum, Indo-US Workshop on Effective Teaching at College / University Level, Feb 10, 2011.
- Intelligence and Security Informatics, 40th All India Police Science Congress, Raipur, Chhattisgarh, June 3, 2010.
- Usable Privacy and Security, Information Systems Management Course, IIT-Delhi, April 22, 2010.
- Cyber Crime, ABV Indian Institute of Information Technology and Management, Gwalior, Nov 3, 2009.
- Usable Privacy and Security, Refresher course, Delhi University, Nov 26, 2009.
- Usable Privacy and Security, OWASP AppSec India Conference, Nov 17, 2009.
- Teaching Johnny Not to Fall for Phish, (ISC)2 e-symposium, March 17, 2009.
- PhishGuru: A System for Educating Users about Semantic Attacks, Indian Institute of Technology, Kanpur, India, Aug 9, 2007.
- Privacy and security research at CMU and around the globe. International Institute of Information Technology, Pune, India, July 17, 2007.
- PhishGuru: A System for Educating Users about Semantic Attacks, Tata Research Development and Design Centre (TRDDC), Pune, India, July 11, 2007.

- PhishGuru: A System for Educating Users about Semantic Attacks, Indian Institute of Technology, Bombay, India, July 6, 2007.
- International perspective of Cyber Security, Symposium on Cyber Security Awareness, Cyber Security Research Centre, Chandigarh, May 23, 2007.
- Trust in Phishing. Special Interest Group on Online Trust. Computer Human Interaction (CHI), May 1, 2007.
- Privacy in India. Round table discussion, Mumbai, India, Aug 08, 2006.

SELECTED POSTERS, & PANEL DISCUSSIONS

- Goyal, N., Sachdeva N., Choudhary V., Kar R., Kumaraguru P., and Rajput N. Con2KG-A Large-scale Domain-Specific Knowledge Graph. In Proceedings of the 30th ACM Conference on Hypertext and Social Media, pp. 287-288. 2019. *Poster*.
- Build Trillion Transactions? securing & privacy enabling each of them. 7th Best Practices Meet by Data Security Council of India. July 10, 2015. *Panel discussion*.
- Chhaya N., Agarwal D., Puri N., Jain P., Kumaraguru P., and Pai D. EnTwine: Feature Analysis and Candidate Selection for Social User Identity Aggregation. Accepted at IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM 2015). *Poster*.
- Transformative Impact of Big Data. Integrated Intelligence. Organised by Carnegie Mellon University, New Delhi, July 4, 2015. Panelists: Prof. Farnam Jahanian, Provost, CMU, Mr. Banmalia Agrawala, CEO GE, South Asia, Mr. Natarajan Chandrasekaran, CEO TCS, Prof. Gary Fedder, CMU. 150+ participants attended. *Panel discussion*.
- Sachdeva N. and Kumaraguru P. Deriving Requirements for Social Media based Community policing: Insights from Police. Dg.o 2015, 16th International Digital Government Research Conference. May 27 - 30, 2015. *Poster*.
- Using Online Social Media for Policing, Intelligence, Law & Order and Investigation. 44th All India Police Science Congress. Organized by Bureau of Police Research and Development (BPR&D), Government of India. March 12, 2015. 120+ police officers attended. *Panel discussion*.
- Status of Cybersecurity in India. Centre of Excellence in Cyber Systems and Information Assurance. As part of their one year celebration. Feb 6, 2015. *Panel discussion*.
- Aggarwal, A., and Kumaraguru, P. Followers or Phantoms? An Anatomy of Purchased Twitter Followers. XRCI Open, 22 - 23 Jan, 2015. *Poster*.
- Role of Academics in improving the status of Cybersecurity. One day workshop on Cyber security in India - New Challenges for CISF. Organised by Central Industrial Security Force (CISF), Government of India. Jan 20, 2015. *Panel discussion*.
- Aggarwal, A., and Kumaraguru, P. Followers or Phantoms? An Anatomy of Purchased Twitter Followers. Security and Privacy Symposium, 14 - 15 Feb, 2015. *Poster*.
- Gupta, A., Castillo, C., and Kumaraguru, P. TweetCredCrisis: Real-time Assessment of Quality of Content Posted on Twitter during Crisis Events. Security and Privacy Symposium, 14 - 15 Feb, 2015. *Poster*.
- Dewan, P., Kashyap, A., and Kumaraguru, P. Analysing Social and Stylometric Features to Identify Spearphishing Emails. Security and Privacy Symposium, 14 - 15 Feb, 2015. *Poster*.
- Sachdeva N. and Kumaraguru P. Police on Facebook: Improving Online Public Communication for Police and Residents. Security and Privacy Symposium, 14 - 15 Feb, 2015. *Poster*.
- Dewan, P., and Kumaraguru, P. Spam Identification on Facebook During Events. Conference on Online Social Networks (COSN), Oct 1 - 2, 2014. *Poster*.
- Sachdeva, N., Saxena, N., and Kumaraguru, P. On the Viability of CAPTCHAs for Use in Telephony Systems: A Usability Field Study. In Proceedings of the 11th Asia Pacific Conference on Computer Human Interaction (APCHI '13). *Poster*.

- Jain, P., and Kumaraguru, P. Flash of Two Words. Security and Privacy Symposium, IIT Kanpur. 28 Feb – 2 March, 2013. *Poster*.
- Mittal, S., Gupta, N., and Kumaraguru, P. Pinterest: Case study on a picturesque network. Security and Privacy Symposium, IIT Kanpur. 28 Feb – 2 March, 2013. *Poster*.
- Jain, P. and Kumaraguru, P. Finding Nemo: Entity Search and Resolution in Online Social Networks. Security and Privacy Symposium, IIT Kanpur. 28 Feb – 2 March, 2013. *Poster*.
- Dewan, P. Sachdeva, N., and Kumaraguru, P. ChaMAILLeon: Usable email sharing like never before! Security and Privacy Symposium, IIT Kanpur. 28 Feb – 2 March, 2013. *Poster*.
- Gupta, S., Gupta, M., and Kumaraguru, P. OCEAN: Open source Collation of eGovernment data and Networks. Security and Privacy Symposium, IIT Kanpur. 28 Feb – 2 March, 2013. *Poster*.
- Sachdeva, N., and Kumaraguru, P. U2P2: Understanding User Privacy Perceptions. Security and Privacy Symposium, IIT Kanpur. 28 Feb – 2 March, 2013. *Poster*.
- Twit-Digest: A Web based Tool to Analyze and Visualize Twitter in Real-time. Gupta, A., Chhabra, A., and Kumaraguru, P. I-CARE 2012. Sept 2012. *Poster*.
- Is Government a Friend or Foe? Privacy in Open Government Data. Authors: Gupta, S., Gupta, M., and Kumaraguru, P. I-CARE 2012. Sept 2012. *Poster*.
- Need for Indo-UK collaboration on security related areas, Indo-UK Security & Identity Roundtable Conference, ClubHACK, Pune, Dec 7, 2009. *Panel discussion*.
- Addressing Emerging Disciplines of Security, InfoSec Summit, Delhi, Nov 23, 2009. *Panel discussion*.
- Cyber Security Framework – Need for a Structured approach, Bangalore Cyber Security Summit, Oct 8, 2009. *Panel discussion*.
- Digital Media Piracy and Security in a Digital World, Conference and workshop on Cyber Security, Cyber Crime and Cyber Forensics, Aug 19, 2009. *Panel discussion*.
- Metrics for Characterizing Research Participants' Technical Knowledge. In Symposium On Usable Privacy and Security. July 23 - 25, 2008. *Panel discussion*.
- Kumaraguru, P., Sheng, S., Acquisti, A., Cranor, L., and Hong, J. Testing PhishGuru in the Real World. In Symposium On Usable Privacy and Security. July 23 - 25, 2008 (*poster*).
- India and Outsourcing. Panel discussion, Privacy Summit, IAPP, Washington DC, March, 2006. *Panel discussion*.

SELECTED NEWS

- USA Today. When Trump started his speech before the Capitol riot, talk on Parler turned to civil war. <https://www.usatoday.com/in-depth/news/2021/02/01/civil-war-during-trumps-pre-riot-speech-parler-talk-grew-darker/4297165001/>
- Our work on COVID19 has been covered in more than 30+ publications, prominently in many of the major news papers in India, including Times of India, Indian Express, AajTak, NDTV, News18, and news papers in Hindi & online media houses.
- Indian Express. Traffic rule violators ignore fines worth Rs 60 crore on e-challans in four years. <https://indianexpress.com/article/cities/ahmedabad/traffic-rule-violators-ignore-fines-worth-rs-60-crore-on-e-challans-in-four-years-6106791/>
- Our work on Elections 2019 has been covered in more than 30+ publications, prominently in many of the major news papers in India, including Times of India, Business Standards, Hindu, local news papers both in Hindi & Telugu, and online media houses like Exchange4Media.
- Our work on WhatsFarzi has been covered in more than 25+ publications, prominently in many of the major news papers in India, including Times of India, Indian Express. For more on this work, please search for “WhatsFarzi” on Google.

- Our work on KillFies / Saftie App / Saftie Camera has been covered in more than 400+ publications, especially in some of the major publications like BBC, Forbes, Time of India, Washington Post, MIT-TechReview, CNN, etc. It was translated and written in at least 20+ different languages. In total, this work on Killfies garnered more than 35,000+ Facebook likes, 1000+ Tweets, 15+ videos on YouTube, 10+ radio interviews, and 2 TV interviews. For more on this work, please search for “KillFies” or “Selfie Deaths” on Google.
- Residents wade through rumours on social media to find vital info. Dec 2, 2015. Times of India. <http://timesofindia.indiatimes.com/city/chennai/Residents-wade-through-rumours-on-social-media-to-find-vital-info/articleshow/50004136.cms>
- Social Media will help police organisations. This was published in multiple news papers in Rachi in regional language. Nov 20, 2015. Hidustan (page 2), Prabhatkhabar (page 4), Dainik Jagran (page 2).
- Twitter handles, Facebook pages of police departments in a sorry state, Oct 8, 2015. Economic Times. <http://economictimes.indiatimes.com/tech/internet/twitter-handles-facebook-pages-of-police-departments-in-a-sorry-state/articleshow/49265208.cms>
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RESOURCES FROM EXPERIENCE

- FAQs - Preparing, Applying and Deciding on Graduate Schools <http://precog.iiitd.edu.in/graduate-school-faqs.html> I have many videos, and Facebook live interactions with professors in the US who have been part of the admissions committee. These videos are on my YouTube channel.
- FAQs. For new faculty in India - Research, Teaching, and Service <http://precog.iiitd.edu.in/resources/new-faculty-faqs.html>