

# Prachi Jain

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- EDUCATION**
- Indraprastha Institute of Information Technology, Delhi* August 2011 - Present  
M.Tech. (Computer Science and Engineering, Specialization: Information Security)  
Cumulative Grade Point Average (CGPA) : 9.71/10
- BMIET, Maharshi Dayanand University, Haryana* July 2007 - August 2011  
B.Tech (Hons.) (Computer Science and Engineering)  
Cumulative Aggregate : 80.1%
- DL DAV Model School, Delhi* April 1993 – April 2007  
83% Aggregate in CBSE 12th Board Examinations  
87.4% Aggregate in CBSE 10th Board Examinations
- EXPERIENCE**
- Alcatel-Lucent (Bell Labs): Research Intern* June 2013 – July 2013
- Guide: Dr Alessandra Sala, Research Scientist Alcatel-Lucent Dublin.
  - Handling and Analyzing huge Hive datasets from a leading Telecom Provider.
- University Of Southern California, Los Angeles, CA: Research Intern* May 2012 – July 2012
- Guide: Dr Kristina Lerman, Project Leader ISI USC.
- PreCog Group at IIT Delhi: Student Researcher* January 2012 – Present
- IIT Delhi: Research Assistant* January 2013 – May 2013
- Guide: Dr Ponnurangam Kumaraguru.
- IIT Delhi: Teaching Assistant* August 2011 – December 2012
- Mobile Computing, Computer Networks, Digital Electronics.
- PUBLICATIONS**
- Prachi Jain, Paridhi Jain, Ponnurangam Kumaraguru. Call Me MayBe: Understanding Nature and Risks of Sharing Mobile Numbers on Online Social Networks. Accepted at Conference on Online Social Networks (COSN 2013) (Acceptance rate – 15.9%)
  - Kristina Lerman, Prachi Jain, Rumi Ghosh, Jeon-Hyung Kang, Ponnurangam Kumaraguru. Limited Attention and Centrality in Social Networks. Accepted at International Conference on Social Intelligence and Technology 2013 (SOCIETY 2013)
- PROJECTS**
- Error Bounds in Key Expansion of Block Cipher January 2012 - May 2012
    - Analyzed error tolerance in original DES and AES key recovery from corrupt keys, attained by cold boot attack, using block bit error model.
    - Poster accepted at IIT Delhi Reseach Showcase12
    - Guide: Dr. Somitra Kr. Sanadhya, IIT Delhi, India
  - Natural Language Question Answering System on Stackoverflow Dataset Using GALAGO January 2012 - May 2012
    - Language: Java

- Guide: Dr. Srikanta Bedatur, IIT Delhi, India
- Secure SMS: Mobile Application to Share SMS Securely January 2012 - May 2012
  - Language: J2ME
  - Guide: Dr. Vinayak Naik, IIT Delhi, India
- Cyberbullying: Facebook Case August 2011 - December 2011
  - Developed a Facebook application (bully dodger - python game) to collect statistics about users involved in cyberbullying. It was also an initiative to spread awareness on the issue.
  - Guide: Dr. Ponnuram Kumaraguru, IIT Delhi, India

## COMPUTER SKILLS

*Languages:* Python, C, Matlab, SQL, Hive, Basics of Java, C++, J2ME, C#, ASP, HTML, Javascript  
*Software:* R, latex, Gephi, Eclipse, NetBeans, Visual Studio 2010, Mathematica, Microsoft Office  
*Operating Systems:* Linux, Windows

## COURSES

- Information Retrieval<sup>+</sup> (8/10)
- Privacy and Security in Online Social Media<sup>+</sup>\* (10/10)
- Mobile Computing<sup>+</sup> (10/10)
- Applied Cryptography\* (10/10)
- Topics in Cryptanalysis<sup>+</sup> (10/10)
- Secure Coding (10/10)
- Foundation of Computer Security<sup>+</sup> (10/10)

\* marked courses included labs/activity component

<sup>+</sup> marked courses included project