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AI x Life Sciences Startup Docket

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AI in Life Sciences: Hyderabad Startup Ecosystem

Hyderabad is emerging as a **global hub for AI-driven life sciences innovation**, with startups applying artificial intelligence across **drug discovery, clinical trials, diagnostics, and digital health platforms**. With the city's strong foundation in pharma, biotech, and healthcare, combined with its deep-tech talent pool, Hyderabad is uniquely positioned to lead in the **intersection of AI and life sciences**.

Just as generative AI transformed creative industries, **AI in life sciences is redefining how medicines are discovered, tested, and delivered**, creating opportunities that span healthcare, pharma, and biotech.

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Introduction

The Hyderabad AI for Life Sciences Startups Directory was created to **map the rapidly evolving ecosystem** of ventures at the intersection of healthcare, biotechnology, and AI. As Hyderabad strengthens its role as India's **life sciences capital**, this directory serves as a **strategic resource for corporates, investors, academia, and policymakers** to discover startups, foster collaborations, and accelerate innovation.

Approach

This directory was curated with inputs from **incubators, accelerators, research institutions, and corporate partners**. Data was consolidated from **founder surveys, interviews, industry filings, and reports** to ensure accuracy.

Startups were classified by:

- **Domain**: Drug Discovery, Clinical Trials, Diagnostics, Digital Health, Pharma Supply Chain.
- **Technology Focus**: AI/ML, NLP, Cloud Platforms, IoT, Computer Vision.
- **Stage of Growth**: Pre-Seed, Seed, Venture-backed, Growth.

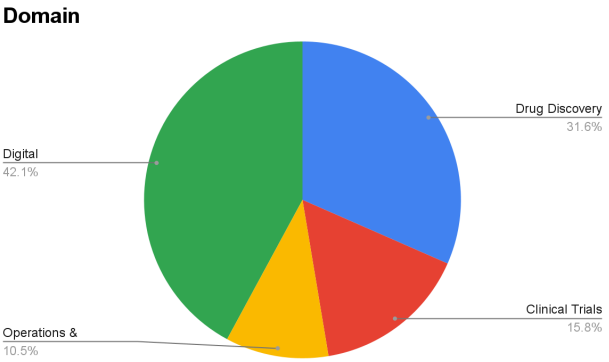
Target Startups

The directory highlights startups across the **life sciences value chain**: **Drug Discovery & Development** (AI-powered molecule design, predictive therapeutics), **Clinical Trials & Research** (real-time data, trial optimization), **Digital Health & Diagnostics** (AI-based scans, personalized healthcare), **Pharma Supply Chain** (logistics, traceability, fraud detection), and **Healthcare Platforms** (remote monitoring, patient engagement).

Profile-Analysis of the startups in Hyderabad

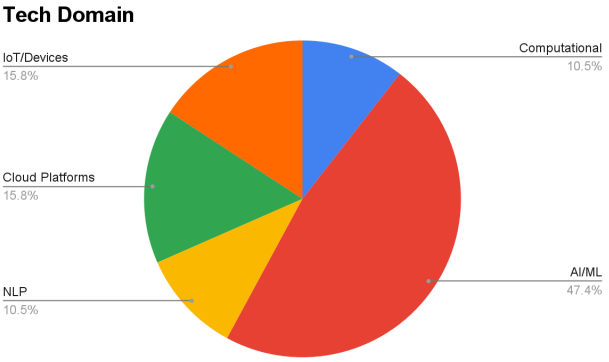
Breaking Down Hyderabad's AI for Life Sciences Startup Landscape by Domain

Drug Discovery leads with **30%**, underscoring Hyderabad's strong pharma base and the city's push toward AI-driven molecule design. **Digital Health & Diagnostics** follows at **40%**, reflecting rising demand for personalized healthcare and AI-based imaging. **Clinical Trials** accounts for **20%**, highlighting adoption of AI for trial optimization and data management. **Pharma Supply Chain & Regulatory Tech** makes up **10%**, showing innovation in logistics, traceability, and fraud prevention.



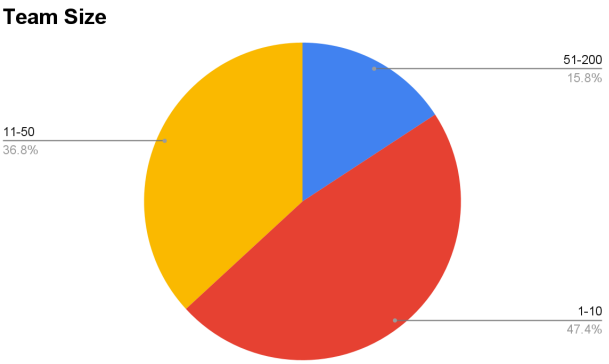
Technologies that power Hyderabad's AI for Life Sciences Startups

AI/ML dominates at **45 %**, reflecting its central role in predictive drug discovery, diagnostics, and personalized medicine. **Cloud platforms** follow at **15%**, underscoring the need for scalable computation, collaboration, and data integration in research and clinical trials. **Computational biology accounts for 15%**, highlighting its growing influence in molecule modeling and bioinformatics. **NLP and IoT/Devices,** at **25%**, point to advances in literature mining, clinical data analysis, and patient monitoring.



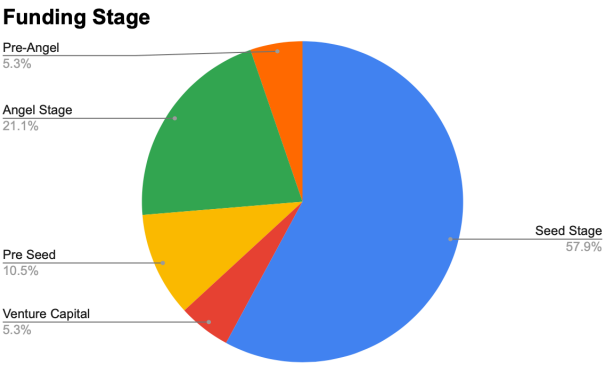
Team Sizes of AI for Life Sciences Startups in Hyderabad

Lean teams of **11–50** dominate at **36.8%**, reflecting agile R&D setups that thrive on speed and adaptability. **Very small teams 1–10** account for **47.4%**, signaling founder-led or research-driven ventures still shaping their first breakthroughs. **Mid-sized** setups of **51–200 15.8%** represent scaling companies that are balancing product development with partnerships across pharma and healthcare.



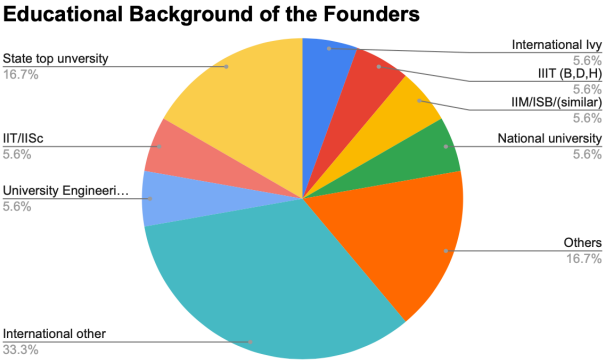
Stage of AI for Life Sciences Startups in Hyderabad

Seed-stage dominates at **57.9%**, reflecting strong momentum around experimentation and proof-of-concept development. **Venture-backed** and **angel-stage startups,** each at **26.4%**, highlight growing investor confidence and maturing business models in the sector. **Pre-angel** ventures account for **5.3**, showing a healthy stream of early ideas entering the ecosystem. A smaller share of **pre-seed startups 10.5%** points to continued research-driven activity at the earliest stages.



Educational Background of AI for Life Sciences Startup Founders

International universities lead with **33.3%**, underscoring the global exposure and cross-border expertise shaping Hyderabad's healthtech ecosystem. **State top universities 16.7%** and **others 16.7%** highlight the strong role of local and diverse academic pipelines. A smaller but significant pool of founders comes from **IIT/IISc, IIITs, national universities, and IIM/ISB (each 5.6%)**, reflecting India's deep-tech and management talent base. **International Ivy League backgrounds 5.6%** add an additional layer of global credibility. Together, this blend illustrates an ecosystem drawing strength from **both local institutions and global networks**, enabling a balance of technical rigor, research depth, and entrepreneurial leadership.

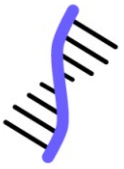


Domain: Drug Discovery

Pop Vax

PopVax is a biotech startup focused on next-generation mRNA vaccines and therapeutics.Its lead COVID-19 vaccine has shown up to 100x stronger immune responses in preclinical studies.The company is advancing this candidate into Phase I trials under the U.S. Project NextGen program.

Founder Name: Soham Sankaran
Age of company: 4 Years
Tech Domain: Computational Biology/ Bioinformatics
Stage of startup: Seed
Website: https://popvax.com/



ACUBIOSYS PVT LTD

Acubiosys is a biotech organization focused on early-stage drug discovery and development, leveraging a "science-first" approach. They provide research solutions including drug repurposing, non-GLP toxicology, animal efficacy studies, novel drug delivery systems, analytical support, and AI/ML-driven methods to de-risk drug development. Their mission is to translate new ideas into medicines for serious diseases.

Founder Name: Dr Srinivas Maddi
Age of company: 8 Years
Tech Domain: Computational Biology/ Bioinformatics
Stage of startup: Seed
Website: https://www.acubiosys.com/

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Centella Scientific Pvt Ltd

Centella AI is an AI-first drug discovery startup using its proprietary platform CASCADE to streamline the DMTA (Design-Make-Test-Analyse) cycle. It combines generative chemistry, retrosynthesis, ADMET prediction and virtual screening to accelerate identification of novel therapeutic molecules.

Founder Name: Dr. Riyaz Syed
Age of company: 4 Years
Tech Domain: AI/ML
Stage of startup: Angel
Website: https://www.centella.co.in/

CENTELLA

Consytel Lifesciences Pvt Ltd

Consytel Life Sciences develops innovative healthcare solutions across formulations, biopharmaceuticals, and medical devices. The startup focuses on addressing unmet therapeutic needs and has received recognition and funding for its antiviral and antimalarial projects.

Founder Name: Shubhendu Kumar Dash
Age of company: 8 Years
Tech Domain: AI/ML
Stage of startup: Seed
Website: http://consytel.com/

Aganitha cognitive solutions private limited

Aganitha is an in silico biotech company using generative AI to accelerate drug discovery. Its platform integrates omics data, quantum chemistry, and AI to optimize targets, biomarkers, and therapies across small molecules, biologics, RNA, and gene editing.

Founder Name: Prasad Chodavarapu
Age of company: 8 Years
Tech Domain: AI/ML
Stage of startup: Seed
Website: https://www.aganitha.ai/

GenepoweRx

GenepoweRx is very much an AI-powered life-sciences / genomics startup. Its core offerings combine genomics (sequencing, variant analysis, pharmacogenomics, cancer genomics, etc.) with AI/ML / bioinformatics. AI is central to their product: e.g. risk stratification, genetic report generation, personalized medicine, using large-language models, etc.

Founder Name: Kalyan Uppaluri
Age of company: 6 Years
Tech Domain: AI/ML
Stage of startup: Angel
Website: https://genepowerx.com

Domain: Clinical Trials

Multiplier AI

Multiplier AI develops GenAI-powered marketing and sales solutions for the pharma and healthcare sector. Its platform enables doctor data enrichment, patient intelligence, personalized content delivery, and referral networks. The solutions are secure, compliant, and designed to drive revenue growth and stronger engagement.

Founder Name: Vikram Kumar
Age of company: 8 Years
Tech Domain: AI/ML
Stage of startup: Venture Capital
Website: https://multiplierai.co/

Cliniv Health Tech Pvt Ltd

Cliniv Health Tech provides a digital platform for decentralized clinical trials, integrating CTMS, EDC, and IWRS with modules like e-Consent, e-PRO, and remote monitoring. It uses cloud and AI/ML technologies to streamline trial execution and ensure compliance. The platform enables real-time data access, improving efficiency and decision-making in clinical research.

Founder Name: Ramesh Meesala
Age of company: 5 Years
Tech Domain: Cloud Platforms
Stage of startup: Seed
Website: https://www.cliniv.in/

TurocratesAI

Turocrates.ai is a pathology platform that unifies scanners, vendors, and AI models, enabling real-time diagnostics with “live AI” overlays. It offers patented lossless compression and clinical-grade AI for cancer biomarker analysis, integrating seamlessly into existing workflows.

Founder Name: Devansh Lalwani
Age of company: <1 Year
Tech Domain: AI/ML
Stage of startup: Seed
Website: http://turocrates.ai/

Medgenome

MedGenome Diagnostics is a genomics and biotech startup at the forefront of genetic diagnostics and research, providing advanced testing solutions and contributing to the evolving landscape of personalized medicine.

Founder Name: Dr. Vedam Ramprasad
Age of company: 12 Years
Tech Domain: Computational Biology/ Bioinformatics
Stage of startup: Venture Capital
Website: https://diagnostics.medgenome.com/

Domain: Digital Healthtech/Diagnostics

Sigma Mozak

SigmaMozak Solutions is a health-tech startup building AI tools to ease doctors' workload and improve patient care. Their solutions focus on better doctors–patient communication, chronic disease management, and digital health consulting.

Founder Name: Shweta Sharma
Age of company: 2 Years
Tech Domain: IoT/Devices
Stage of startup: Seed
Website: https://sigmamozak.com/

Monitra

Monitra Healthcare is a med-tech company offering continuous heart monitoring solutions like hospital-grade remote ECGs, external loop recorders, and mobile cardiac telemetry. They combine high-resolution sensing, AI-assisted reporting, and rigorous clinical review to ensure accurate diagnostics from home or ambulatory settings.

Founder Name: Ravi Bhogu
Age of company: 9 Years
Tech Domain: IoT/Devices
Stage of startup: Seed
Website: https://www.monitrahealth.com/

Aarogya ID

Monitra Healthcare is a med-tech company offering continuous heart monitoring solutions like hospital-grade remote ECGs, external loop recorders, and mobile cardiac telemetry. They combine high-resolution sensing, AI-assisted reporting, and rigorous clinical review to ensure accurate diagnostics from home or ambulatory settings.

Founder Name: Vedanth P
Age of company: 2 Years
Tech Domain: Cloud Platforms
Stage of startup: Pre-Seed
Website: https://www.aarogyaid.com/

Cortex & Grey Technologies

Monitra Healthcare is a med-tech company offering continuous heart monitoring solutions like hospital-grade remote ECGs, external loop recorders, and mobile cardiac telemetry. They combine high-resolution sensing, AI-assisted reporting, and rigorous clinical review to ensure accurate diagnostics from home or ambulatory settings.

Founder Name: Pramod S
Age of company: 3 Years
Tech Domain: IoT Devices
Stage of startup: Pre-Angel
Website: http://www.cortexngrey.com/

Healthkon

Healthkon is a health-tech startup leveraging AI and digital platforms to enable remote patient monitoring, diagnostics, and disease surveillance. Its solutions combine connected devices, deep learning, and decision-support tools to deliver intelligent, accessible healthcare.

Founder Name: Pranay Garg
Age of company: 10 Years
Tech Domain: AI/ML
Stage of startup: Seed
Website: https://www.healthkon.com/

Sparcolife

Sparcolife has been formed with the intent of addressing the problems that the digital lifestyle has brought upon human health & performance.It is full stack company in health care building Digital Diagnostic and Digital Therapeutic Systems to address the multifarious problems that have descended upon us as a result of the digital lifestyle that we've been living over the past few decades.

Founder Name: Pooja H S
Age of company: 6 Years
Tech Domain: AI/ML
Stage of startup: Angel
Website: https://www.vyli.health/

Descign AI

Descign AI is building a secure online research platform for life scientists worldwide, aiming to reduce barriers to scientific collaboration and infrastructure by supplying cutting-edge and affordable IT and automation tools. It seeks to foster transparency and trust, enabling researchers and organizations to connect, collaborate, and execute complex scientific ideas more efficiently.

Founder Name: Dr. Vishal Gupta
Age of company: 5 Years
Tech Domain: Cloud Platforms
Stage of startup: Seed
Website: https://www.descign.com/

Aciana

Aciana is building an AI-powered healthcare ecosystem that combines facial scanning, genetic insights, and predictive analytics to provide personalized wellness and diagnostic solutions. Their platform, "Ciana," enables individuals and clinicians to access real-time health metrics, genetic wellness reports, and secure clinical data through an integrated digital health interface.

Founder Name: Kishore Karumanchi
Age of company: 7 Years
Tech Domain: NLP
Stage of startup: Seed
Website: https://www.aciana.com/

Domain: Operations & Compliance

Asthra AI

Asthra AI is a specialized, AI-powered writing assistant designed for regulatory documentation teams in the life sciences sector. Seamlessly integrated into MS Word, it automates the creation of complex regulatory documents, reducing the drafting time from 1.5 months to just 5 minutes.

Founder Name: Guruprasad Padmanabhan
Age of company: 1 Year
Tech Domain: NLP
Stage of startup: Pre-seed
Website: https://www.asthra-writer.

Aravind Life Sciences

Aravind Life Sciences Pvt Ltd specialized in AI and ML solutions for the pharmaceutical and healthcare industries. They provide services spanning AI-driven analytics, predictive modeling, pharmaceutical consultancy, R&D, and retail pharma solutions. Their AI-powered Audit Analytics tool is designed to offer actionable insights for the pharmaceutical industry

Founder Name: B.V.A.N Varma
Age of company: 10 Years
Tech Domain: AI/ML
Stage of startup: Angel Stage
Website: https://www.aravindlifesciences.com

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International Institute of Information Technology - Hyderabad Foundation
Vindhya C4, IIIT-H Campus, Gachibowli, Hyderabad - 500032. Telangana, India
T: +91 40 6653 1211 F: +91 40 66531413

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