

Senior Expert (Rapid Prototyping)

Job ID

REQ-10081173

Aug 07, 2026

LOC_IN

About the Role

Key Responsibilities

- Design and deploy generative artificial intelligence solutions supporting drug discovery and biomedical research workflows
- Build rapid prototypes and scalable applications combining foundation models, retrieval systems, and workflow orchestration
- Develop production-ready large language model applications with robust context handling, tool integration, and monitoring
- Translate emerging generative artificial intelligence and agentic approaches into practical, reusable solutions
- Apply engineering best practices including testing, benchmarking, version control, and lifecycle management
- Collaborate with cross-functional teams to deliver impactful artificial intelligence solutions aligned with research priorities
- Identify opportunities to enhance scientist productivity using artificial intelligence assistants and workflow automation
- Contribute to architecture, scalability, security, and reliability of artificial intelligence-powered systems
- Share best practices, reusable components, and technical guidance across teams working on artificial intelligence applications
- Evaluate emerging tools, frameworks, and technologies to advance generative artificial intelligence capabilities

Essential Requirements

- 5+ years of experience building and deploying artificial intelligence or machine learning systems in production
- 2+ years of hands-on experience designing large language model applications including retrieval augmented generation and tool integration
- Strong proficiency in Python and experience developing scalable services, application programming interfaces, and reusable libraries
- Experience delivering end-to-end artificial intelligence solutions including prompt design, evaluation, and monitoring
- Familiarity with generative artificial intelligence frameworks such as LangChain, LangGraph, or similar ecosystems
- Experience applying modern software engineering practices including testing, code reviews, version control, and continuous integration
- Understanding of evaluation metrics for generative artificial intelligence systems including quality, reliability, and cost considerations
- Awareness of security, governance, and responsible artificial intelligence practices in enterprise environments

Desirable Requirements

- Experience in drug discovery, computational biology, or biomedical research environments
- Publications, patents, or open-source contributions in artificial intelligence or computational sciences

Commitment to Diversity and Inclusion:

Novartis is committed to building an outstanding, inclusive work environment and diverse teams' representative of the patients and communities we serve.

Accessibility and accommodation

Novartis is committed to working with and providing reasonable accommodation to individuals with disabilities. If, because of a medical condition or disability, you need a reasonable accommodation for any part of the recruitment process, or in order to perform the essential functions of a position, please send an e-mail to diversityandincl.india@novartis.com and let us know the nature of your request and your contact information. Please include the job requisition number in your message

Role Requirements

Why Novartis: Helping people with disease and their families takes more than innovative science. It takes a community of smart, passionate people like you. Collaborating, supporting and inspiring each other. Combining to achieve breakthroughs that change patients' lives. Ready to create a brighter future together? <https://www.novartis.com/about/strategy/people-and-culture>

Benefits and Rewards: Learn about all the ways we'll help you thrive personally and professionally.

[Read our handbook \(PDF 30 MB\)](#)

Division

DIV_RE

Business Unit

Information Technology

Location

LOC_IN

Site

Hyderabad (Office)

Company / Legal Entity

IN10 (FCRS = IN010) Novartis Healthcare Private Limited

Functional Area

FCT_DD

Job Type

Full time

Employment Type

Regular

Shift Work

No

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