

Manager - Data Science

Job ID

REQ-10072862

Mar 16, 2026

LOC_IN

About the Role

Location – Hyderabad #LI Hybrid

Key Accountability

- Lead the design and implementation of sophisticated agentic AI systems, including multi-agent orchestration and autonomous workflows
- Define architectural standards for agent development, including tool integration, memory management, and inter-agent communication protocols
- Establish comprehensive evaluation frameworks for agentic systems, measuring task completion, reasoning quality, and safety compliance
- Design and implement guardrails for autonomous agents, including behavioral boundaries, output validation, and fallback mechanisms
- Drive hands-on prototyping of complex agent systems while providing technical oversight to development teams
- Create testing methodologies for agent reliability, including edge case handling, adversarial testing, and performance benchmarking
- Balance technical depth with strategic thinking to identify where agentic AI can transform business processes
- Lead technical reviews of agent architectures, personally debugging complex multi-agent interaction issues
- Implement LLMOps and agent lifecycle workflows, including versioning, prompt management, evaluation pipelines, and performance monitoring.
- Drive experimentation with emerging agent tooling, frameworks, and orchestration patterns to maintain a cutting-edge internal capability.
- Document reference architectures, reusable components, and best practices to accelerate agent development across teams.
- Conduct technical deep dives and capability assessments to ensure readiness of agentic systems for production deployment.

Essential Requirements:

- 6+ years in AI/ML with maximum 1-2 years in generative AI and demonstrated expertise in agentic systems
- Hands-on coding experience with complex agentic AI implementations, including multi-agent systems and tool-use agents
- Deep technical knowledge of agent evaluation metrics: task success rates, reasoning traces, tool-use efficiency, and safety violations
- Proven experience implementing production guardrails: content filtering, action limitations, human-in-the-loop systems
- Strong understanding of agent architectures: ReAct, Plan-and-Execute, Reflexion, and emerging patterns

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/roadmap/people-and-culture>

Commitment to Diversity & Inclusion:

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

Values and Behaviors: Demonstrates and upholds Novartis values and behaviors in all aspects of work and collaboration.

Location: Hyderabad NKC. Hybrid | 3 days a week in office is mandatory.

Role Requirements

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

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Division

DIV_IU

Business Unit

General Management

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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