

Manager - Data Science

Job ID

REQ-10072861

Mar 16, 2026

LOC_IN

About the Role

Location – Hyderabad #LI Hybrid

Key Accountability

- Analyze large datasets from various sources (Claims, Sales, Promotions, etc.) to uncover insights and drive decision-making processes.
- Develop and implement sophisticated data analysis, machine learning, and deep learning models to interpret complex pharmaceutical data & provide solutions as an individual contributor to business questions and problems in the field of Predictive Modelling
- Collaborate with cross-functional teams to integrate AI-driven solutions across various platforms and services.
- Foster collaboration with the team; mentor a small team of Associate Analysts/ Analysts/Senior Analysts in delivering projects.
- Deliver through structured project management approach with appropriate documentation and communication throughout project delivery cycle.
- Support in creation and maintenance of standard operating procedures (SOPs), quality checklists (QCs) that will enable excellent quality outputs within the function.
- Support in design and experiments for predictive analytics to optimize patient journey & HCP behavioral outcomes.
- Contribute to the development and enhancement of an internal ML/AutoML platform to standardize data pipelines, automate model training, tuning, and evaluation, and accelerate experimentation across predictive analytics use cases.
- Build reusable ML components (feature pipelines, evaluation modules, model templates) that can be integrated into the platform to ensure consistency and scalability.
- Partner with Data Engineering and Platform teams to operationalize AutoML workflows, ensuring governance, model reproducibility, and quality controls.
- Support exploration of GenAI and LLM techniques to enhance feature engineering, synthetic data generation, and documentation automation within predictive analytics workflows.
- Comply with all internal functional operating procedures like time & KPIs tracking, and other internal systems and processes.

Essential Requirements:

- Minimum of 5 years of experience in data science, with 2-3 years of experience in the pharmaceutical healthcare industry.
- Deep understanding of Machine Learning, Deep Learning algorithms, Foundational/ LLM models, Statistics, and Predictive Analytics
- Proficient in programming languages such as Python, PySpark, Databricks, R
- Experience in building and deploying scalable machine learning models (e.g. cloud-based services such as AWS and Azure)
- Hands-on experience with AutoML frameworks (such as Azure AutoML, H2O AutoML, DataRobot, or custom ML automation pipelines).
- Strong understanding of ML platform components including model registries, feature stores, automated evaluation, and monitoring workflows.

- Exposure to GenAI/LLM-based tools for improving analytics efficiency (e.g., automated feature suggestions, code generation, or summarization).
- Excellent problem-solving skills and ability to identify creative solutions to complex problems
- Strong ability to effectively communicate and work across different time zones
- Excellent verbal and written communication skills to articulate and present business problems and solutions to key stakeholders persuasively

Education (minimum/desirable):

- Bachelor's degree in related field is required; Master of Science and/or MBA strongly preferred

Additional qualifications are as follows:

- Ability to balance operational execution with high-level strategic thinking, supporting both day-to-day performance and long-term business goals
- Ability to work collaboratively with cross-functional teams, including Marketing, Field & Sales, Data Enablement & Platform Teams for product development
- Excellent communication skills, capable of effectively collaborating with senior leadership
- Ability to thrive in a fast-paced, dynamic environment and adapt to changing business needs and priorities

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.

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

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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