

# Head of Data Science & AI

Job ID  
REQ-10012880  
Jul 25, 2024  
India

## Summary

12,000! Our Global Network of 12,000 GDD associates plays a central role in driving the company's long-term growth and delivering on its purpose to improve and extend people's lives.

As our Associate Director Data Science, you will lead a team of Experts for Data Science to maximize Patient Safety & Pharmacovigilance (PS&PV) analysis and automations of the core Pharmacovigilance, Patient Safety Reporting Analytics and related systems.

## About the Role

### Major accountabilities:

- Provide data science and quantitative analytical support for PS&PV by ensuring timely delivery of high-quality reports to meet regulatory requirements, enable medical safety analysis and monitor safety profile of Novartis products. Build capabilities to leverage the Science of data to enhance safety surveillance and case management.
- Responsible for managing projects and innovation of Data science deliverables and ensure optimum utilization of resources in consultation with the Head Data Science and Analytics. Additionally, supervises Data scientists and managing performance and career development. Ensure all deliverables are met according to timelines, operational procedures and quality standards.
- Act as business lead for Pharmacovigilance Data Science POCs, Pilots, projects implementations or enhancements. Independently manage small to medium projects. Enhance data science services in support of safety risk evaluation and decision-making – consulting, advisory services, end-user proficiency and adoption with self-service analytical tools. Strengthen Data Science team to focus on critical business outcomes.
- Build strategic and structural connects with functions to make data science capabilities visible and to improve them. Follow the operational model and plan projects meticulously. Run every project, prototype and POC by having audit and inspection ready artefacts at all times.
- Engineer key data science analytical insights into simple, intuitive, and well-designed tools and services tailored for each role, Pharmacovigilance and Patient Safety process in areas of analysis, demand planning, budget forecasting, resource allocation and vendor management support, patient focused protocol design and

reported outcome, risk based monitoring, operational and performance planning.

- Provide best data science, AI/ML solutions for a variety of business applications including but not limited to: Predictive analysis in Patient safety, Customer Segmentation & Targeting, Event Prediction, Propensity Modelling, Churn Modelling, Customer Lifetime Value Estimation, Forecasting, Recommender Systems, Modelling Response, Optimization
- Is responsible in creation of new data sciences capabilities for the business by envisioning and executing strategies that will influence improvement of the business's performance by enabling informed decision making.

### **Minimum Requirements:**

#### **Work Experience:**

- Master's degree level in Life Science, Data Science or Information Technology
- Fluent English (both written and spoken). Strong interpersonal and leadership skills. • At least 10 years of experience in Pharma drug development, ideally in patient safety • Leadership experience in an international, cross-functional environment – including management of external providers. Nurture a culture of accountability, responsibility, leadership and high expertise. • Hands on experience in Data Science AI/ML solutioning and project implementations. Working with Business, IT, Data Engineers and Vendors. Experience supporting regulatory inspections, responding to inspectors, and managing related team actions. • Excellent understanding of patient safety, clinical development, quality and regulatory standards and policies relevant to Patient Safety functions, familiar with operational and scientific aspects of drug development. • Ability to translate business questions into data science problems and build solutions using data science techniques, machine learning, statistical modeling and ensure it is robust, scalable solution is developed. • At least 3 years of experience working within Data Science, AI/ML and IT projects, with a thorough understanding of the issues revolving around aligning technology with business needs
- Why Novartis? 766 million lives were touched by Novartis medicines in 2021, and while we're proud of this, we know there is so much more we could do to help improve and extend people's lives. We believe new insights, perspectives and ground-breaking solutions can be found at the intersection of medical science and digital innovation. That a diverse, equitable and inclusive environment inspires new ways of working. We believe our potential can thrive and grow in an unbossed culture underpinned by integrity, curiosity and flexibility. And we can reinvent what's possible, when we collaborate with courage to aggressively and ambitiously tackle the world's toughest medical challenges. Because the greatest risk in life, is the risk of never trying! Imagine what you could do here at Novartis! **Join our Novartis Network:** If this role is not suitable to your experience or career goals but you wish to stay connected to hear more about Novartis and our career opportunities, join the Novartis Network here:

<https://talentnetwork.novartis.com/network>

**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>

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

Division

Development

Business Unit

Innovative Medicines

Location

India

Site

Hyderabad (Office)

Company / Legal Entity

IN10 (FCRS = IN010) Novartis Healthcare Private Limited

Functional Area

Data Science

Job Type

Full time

Employment Type

Regular

Shift Work

No

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## **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](mailto: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.

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