NOVARTIS

Assoc. Dir. Product Management - Data Science Products

Job ID
REQ-10050854

6   03, 2025

India

At Novartis, we are reimagining medicine by using data and digital technologies to transform how we engage with patients, healthcare professionals, and healthcare systems. As a Senior Data Engineer within the Data & Digital Commercial organization, you will lead the technical foundation of AI-powered commercial solutions—helping drive more effective engagement, access, and performance globally and within local markets.

This mid-management role blends hands-on data engineering with delivery oversight, vendor management, and stakeholder collaboration. You'll help create the pipelines and data platforms that enable AI/ML applications in sales effectiveness, omnichannel marketing, customer segmentation, and real-world commercial insights

About the Role

Roles and Responsibilities:

Product Strategy & Innovation

- Shape and own the product roadmap for AI solutions that power next-gen commercial capabilities —including intelligent targeting, omnichannel orchestration, and HCP engagement optimization.
- Drive innovation by scouting new AI technologies, validating ideas through MVPs and pilots, and scaling high-value solutions.
- Translate commercial objectives into actionable technical requirements and solution architectures.

Technical Delivery & Solution Ownership

- Lead cross-functional teams (data science, data engineering, MLOps, digital product) to build, deploy, and operate production-grade AI solutions.
- Oversee technical delivery from data ingestion and model development to deployment, monitoring, and retraining.
- Ensure models are performant, scalable, secure, and seamlessly integrated into platforms such as CRM and content engines.

Stakeholder Management & Business Alignment

- Partner with commercial stakeholders (field teams, marketing, analytics) to define needs, align priorities, and drive adoption.
- Act as a translator between business and technical teams —clearly communicating trade-offs, timelines, and value.
- Provide thought leadership and influence stakeholders at multiple levels, from working teams to senior leadership.

Compliance & Responsible AI

- Ensure solutions align with Novartis standards and external regulations
- Embed ethical AI principles into product design —including fairness, transparency, and accountability.

Core Technical Focus Areas

- **AI/ML Development**: Supervised learning, NLP, recommender systems, experimentation frameworks.
- **Data Infrastructure**: Scalable pipelines, real-time data ingestion, structured/unstructured healthcare data.
- **MLOps**: Model deployment, versioning, monitoring, and retraining workflows (MLflow, Airflow, SageMaker, etc.).
- **Integration**: REST/gRPC APIs, integration with CRM (e.g., Veeva), content platforms, and campaign engines.
- **Cloud Platforms**: AWS, Azure, or GCP environments for AI/ML workloads and data

operations.

Essential Requirements:

- Bachelor's or master's degree in computer science, engineering, or related field.
- 10+ years of product management experience, with 5+ years in AI/ML or data-centric product delivery.
- Strong technical foundation and experience working closely with engineering and data science teams.
- Demonstrated ability to deliver AI products from concept to production, including service ownership.
- Strong stakeholder management skills, with the ability to influence across technical and business domains.
- Experience in healthcare, life sciences, or other regulated environments is a plus.

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.

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

Join our Novartis Network: Not the right Novartis role for you? Sign up to our talent community to stay connected and learn about suitable career opportunities as soon as they come up: https://talentnetwork.novartis.com/network

Benefits and Rewards: Read our handbook to learn about all the ways we'll help you thrive personally and professionally: https://www.novartis.com/careers/benefits-rewards

Operations

Business Unit
CTS

India

Hyderabad (Office)

Company / Legal Entity
IN10 (FCRS = INO10) Novartis Healthcare Private Limited

Functional Area
Technology Transformation

Job Type
Full time

Employment Type
Regular

Shift Work
No

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