NOVARTIS

Associate Director, Semantic Data & Knowledge Strategy

Job ID
REQ-10091484
Nov 06, 2026
LOC_IN

About the Role

Key Responsibilities:

- Data Enablement Strategy & Roadmap: define and execute the PO&CF Data Enablement strategy and roadmap, driving enterprise adoption of Semantic Layer, metadata and knowledge management, and AI-ready data capabilities. It will establish standards for data discoverability, interoperability, governance, and reuse, while building a long-term roadmap to enable AI, Analytics, Reporting, Knowledge Management, and Agentic AI initiatives and accelerate business outcomes through trusted, governed, and reusable data and knowledge assets.
- Semantic Layer & Knowledge Architecture Leadership: own the Semantic Layer strategy, governance, and adoption across PO&CF, driving the development of enterprise knowledge models, semantic assets, ontologies, taxonomies, and knowledge graphs. It will establish semantic frameworks that connect structured and unstructured data, integrate metadata, semantic technologies, knowledge graphs, and AI-ready architectures into the enterprise data ecosystem, and promote reusable business concepts and knowledge assets across domains.
- Metadata, Knowledge Management & Governance: drive enterprise metadata management and governance, leveraging platforms such as Collibra to lead ontology development, taxonomy management, business glossary governance, and knowledge modelling. It will establish consistent standards for business definitions, controls, policies, data, and knowledge assets, while partnering with Enterprise Data Management and business stakeholders to strengthen data discoverability, consistency, and trust across the organization.
- AI, GenAI & Agentic AI Enablement: Enable enterprise AI and Agentic AI capabilities by establishing governed semantic assets and AI-ready knowledge frameworks that support copilots, assistants, intelligent agents, and semantic search. It will drive the adoption of RAG and GraphRAG architectures, partner with Data Science, Analytics, and AI teams to accelerate enterprise AI initiatives, and ensure knowledge assets can be effectively consumed across modern AI platforms and agentic ecosystems.
- Business Domain Enablement: Partner with business leaders and SMEs to model and govern knowledge across P&O and Corporate Functions; Drive semantic enablement and business knowledge management across People & Organization (P&O), Legal, Security & Information Security, Ethics, Risk & Compliance (ERC), Environmental, Social & Governance (ESG),Corporate Affairs, Internal Audit, Corporate Communications and selected Finance domains
- Stakeholder Engagement & Value Realization: Engage senior leaders across P&O and Corporate Functions, partnering closely with EDM, Architecture, Security, Compliance, Data Governance, Analytics, and AI organizations to drive strategic alignment and successful delivery. It will define KPIs, adoption metrics, and value realization measures, while leading organizational change management and capability adoption; support strategic vendor evaluations and partnerships across data, AI, and knowledge management to ensure the organization leverages the right capabilities and solutions to achieve its objectives.

Essential Requirements:

- Bachelor's or Master's degree in Computer Science, Information Management, Data Science, AI, Analytics, Engineering, or a related field.
- 10+ years of experience in Data, Analytics, AI, Data Governance, Knowledge Management, or Digital Transformation.
- Experience with AWS Data Platforms, Data Lakehouse Architectures, Collibra, Knowledge Graphs, Vector Databases

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- Proven experience leading enterprise-scale data and knowledge initiatives.
- Experience working with senior business stakeholders and global organizations.
- Strong understanding of enterprise data governance and semantic technologies.

Desirable requirements:

- Experience with AWS Data Lakes and Analytics Ecosystem, Microsoft Fabric, Enterprise Data Platforms, Data Products, Metadata Management, Semantic Layer Technologies, Ontology Engineering, Taxonomy Design, Enterprise Search, AI Knowledge Repositories, Agentic AI Architectures, API and Integration Frameworks
- Experience and knowledge in People & Organization domain: Core HR & Workforce, Aministration, Workforce Planning, People Analytics, Talent & Skills Intelligence, Learning & Capability Development, Organizational Effectiveness, Rewards & Compensation, Employee Experience, Workforce Transformation
- Experience and knowledge in Corporate Functions domain: Legal, Security & Information Security, Ethics, Risk & Compliance (ERC), Environmental, Social & Governance (ESG), Corporate Affairs, Internal Audit, Corporate Communications, Finance

Commitment to Diversity & Inclusion:

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

Why Novartis?
Our purpose is to reimagine medicine to improve and extend people's lives and our vision is to become the most valued and trusted medicines company in the world. How can we achieve this? With our people. It is our associates that drive us each day to reach our ambitions. Be a part of this mission and join us! Learn more here:
https://www.novartis.com/about/strategy/people-and-culture

Join our Novartis Network: If this role is not suitable to your experience or career goals but you wish to stay connected to learn more about Novartis and our career opportunities, join the Novartis Network here:
https://talentnetwork.novartis.com/network

Accessibility and accommodation:
Novartis is committed to working with and providing reasonable accommodation to all individuals. If, because of a medical condition or disability, you need a reasonable accommodation for any part of the recruitment process, or in order to receive more detailed information about the essential functions of a position, please send an e-mail to and let us know the nature of your request and your contact information. Please include the job requisition number in your message.

Role Requirements

Division
DIV_TO
Business Unit
Information Technology
Location
LOC_IN
Site
Hyderabad (Office)
Company / Legal Entity
IN10 (FCRS = IN010) Novartis Healthcare Private Limited
Functional Area

FCT_IT
Job Type
Full time
Employment Type
Regular
Shift Work
No
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