Assoc. Dir. DDIT US&I AI Architect (Commercial)

Job ID
REQ-10054796

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India

At Novartis, we are reimagining medicine by harnessing the power of data and AI. As a Senior Architect – AI Products supporting our Commercial function, you will drive the architectural strategy that enables seamless integration of data and AI products across omnichannel engagement, customer analytics, field operations, and real-world insights.
You will work across commercial business domains, data platforms, and AI product teams to design scalable, interoperable, and compliant solutions that maximize the impact of data and advanced analytics on how we engage with healthcare professionals and patients.

About the Role

Position Title: Assoc. Dir. DDIT US&I AI Architect (Commercial)

Location – Hyd-India #LI Hybrid

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Your responsibilities include but are not limited to:

• Commercial Architecture Strategy: Define and drive the reference architecture for commercial data and AI products, ensuring alignment with enterprise standards and business priorities.

• Cross-Product Integration: Architect how data products (e.g., HCP 360, engagement data platforms, real-world data assets) connect with AI products (e.g., field force recommendations, predictive models, generative AI copilots) and downstream tools.

• Modular, Scalable Design: Ensure architecture promotes reuse, scalability, and interoperability across multiple markets, brands, and data domains within the commercial landscape.

• Stakeholder Alignment: Partner with commercial product managers, data science teams, platform engineering, and global/local stakeholders to guide solution design, delivery, and lifecycle evolution.

• Data & AI Lifecycle Enablement: Support the full lifecycle of data and AI—from ingestion and transformation to model training, inference, and monitoring—within compliant and secure environments.

• Governance & Compliance: Ensure architecture aligns with GxP, data privacy, and commercial compliance requirements (e.g., consent management, data traceability).

• Innovation & Optimization: Recommend architectural improvements, modern technologies, and integration patterns to support personalization, omnichannel engagement, segmentation, targeting, and performance analytics.

What you'll bring to the role:

• Proven ability to lead cross-functional architecture efforts across business, data, and technology teams.

• Good understanding of security, compliance, and privacy regulations in a commercial pharma

setting.

• Experience with pharmaceutical commercial ecosystems and data (e.g., IQVIA, Veeva, Symphony). Familiarity with customer data platforms (CDPs), identity resolution, and marketing automation tools.

Desirable Requirements:

• Bachelor's or master's degree in computer science, Engineering, Data Science, or a related field.

• 10+ years of experience in enterprise or solution architecture, with significant experience in commercial functions (preferably in pharma or life sciences).

• Strong background in data platforms, pipelines, and governance (e.g., Snowflake, Databricks, CDP, Salesforce integration). Hands-on experience integrating solutions across Martech, CRM, and omnichannel systems.

• Strong knowledge of AI/ML architectures, particularly those supporting commercial use cases (recommendation engines, predictive analytics, NLP, LLMs). Exposure to GenAI applications in commercial (e.g., content generation, intelligent assistants). Understanding of global-to-local deployment patterns and data sharing requirements

Commitment to Diversity & Inclusion:

Novartis embraces diversity, equal opportunity, and inclusion. We are committed to building diverse teams, representative of the patients and communities we serve, and we strive to create an inclusive workplace that cultivates bold innovation through collaboration and empowers our people to unleash their full potential.

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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and professionally: https://www.novartis.com/careers/benefits-rewards

Operations

Business Unit
CTS

India

Hyderabad (Office)

Company / Legal Entity
IN10 (FCRS = IN010) Novartis Healthcare Private Limited

Functional Area
Technology Transformation

Job Type
Full time

Employment Type
Regular

Shift Work
No

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