

Sr. Specialist - AI/ML(MLOps, Gen AI & Azure)

Job ID
REQ-10041949
Febr. 27, 2025
Indien

Zusammenfassung

Location: Hyderabad

As an AI Technical Specialist, you will play a key role in developing and implementing advanced AI solutions, working closely with suppliers and vendors to ensure successful rollout and integration

About the Role

Major Accountabilities

- **Solution Development:** Design and implement scalable Generative AI solutions for applications such as drug discovery, medical writing automation, clinical trials, regulatory submissions, and real-world evidence generation.
- **LLM Development & Optimization:** Collaborate with data scientists and ML engineers to develop, fine-tune, and optimize large language models (LLMs) for life sciences applications, including scientific literature analysis, regulatory intelligence, and patient engagement.
- **AI Infrastructure:** Contribute to the design of Generative AI solutions leveraging cloud platforms (AWS, Azure, GCP) or on-premises infrastructure, ensuring data security and regulatory compliance.
- **MLOps & Deployment:** Implement best practices for GenAI model deployment, monitoring, and lifecycle management within GxP-compliant environments.
- **Compliance & Governance:** Ensure Generative AI solutions comply with regulatory standards (FDA, EMA, GDPR, HIPAA, GxP, 21 CFR Part 11) and adhere to responsible AI principles, including bias mitigation.
- **Performance Optimization:** Drive efficiency in generative AI models, focusing on cost optimization and scalability while maintaining data integrity and compliance.
- **Stakeholder Collaboration:** Work with cross-functional teams, including platform teams and engineering teams from various suppliers/vendors, to align Generative AI initiatives with enterprise and industry-specific requirements.
- **Research & Innovation:** Stay current with the latest advancements in Generative AI, multimodal AI, AI agents, and synthetic data generation to incorporate emerging technologies.

Required Qualifications:

- Bachelor's or master's degree in computer science, AI, Data Science, Bioinformatics, or a related field.
- **Experience:** 8+ years' experience in Big data, AI/ML development with at least 6 years in an AI/ML role in pharma, biotech, or life sciences.
- **Technical Expertise:**
 - Strong proficiency in Generative AI, large language models (LLMs), multimodal AI, and deep learning for pharma applications.

- Hands-on experience with AI/ML frameworks (TensorFlow, PyTorch, Hugging Face, LangChain, Scikit-learn, etc.).
- Experience with data engineering, ETL pipelines, and big data technologies (Spark, Kafka, Databricks, etc.).
- Knowledge of cloud AI services (AWS Bedrock, Azure OpenAI, Google Vertex AI).
- Experience in the deployment of a Lightweight LLM in a Pharma SaaS Platform
- **MLOps & DevOps:** Familiarity with CI/CD, containerization (Docker, Kubernetes), vector databases, and real-time model monitoring.
- **Regulatory & Ethical AI:** Understanding of AI governance, responsible AI principles, and compliance requirements for Generative AI in pharma.
- **Problem-Solving:** Strong analytical and problem-solving skills with the ability to develop innovative Generative AI solutions for life sciences use cases.
- **Communication:** Good communication skills to articulate AI solutions to technical and non-technical stakeholders.

Why consider Novartis?

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Abteilung

Operations

Business Unit

CTS

Ort

Indien

Website

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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