

AI Engineer. DDIT Dev.DSAI

Job ID

REQ-10026942

Nov 18, 2024

India

About the Role

Roles and responsibilities:

- As an AI engineer have the opportunity to apply your deep expertise in LLM/GenAI technologies in solving real-world healthcare challenges.
- Your main responsibility will be collaborating closely with Drug Development teams to prototype, build, test, and deploy products powered by GenAI/LLM technology on a large scale.
- Accountable for deploying the generative AI solutions.
- Delivery of projects in close collaboration with platform and business teams

Essential Requirements:

Education:

- Bachelor's or master's degree in computer science, Data Science, Machine Learning, or a related field.

Experience / Professional requirements

- 5+ years of experience in NLP, machine learning, or AI development, with a focus on language models.
- Strong programming skills in Python, and experience with libraries such as TensorFlow, PyTorch, Hugging Face, or spaCy.
- Hands-on experience with deploying machine learning models into production environments (e.g., using Docker, Kubernetes, AWS, Azure).
- Familiarity with prompt engineering techniques and fine-tuning large language models.
- Knowledge of MLOps practices and tools for monitoring model performance.
- Understanding of AI ethics and compliance issues, including bias mitigation and privacy concerns.
- Customize pre-trained language models for specific use cases by fine-tuning them on domain-specific datasets.
- Experiment with hyperparameters, model architectures, and training techniques to optimize performance.
- Curate, preprocess, and augment large datasets to improve the quality and generalization of language models.
- Handle tasks related to data cleaning, labeling, and tokenization.
- Design and optimize prompts to guide the model's responses for various tasks.
- Apply prompt tuning, zero-shot, and few-shot learning techniques to improve model accuracy.
- Deploy models in production environments, ensuring they meet performance and scalability requirements.
- Stay updated on industry trends, compliance, and responsible AI guidelines.

Preferred Skills:

- Experience with generative AI models, such as GPT-3, GPT-4, AWS Bedrock Cludia or other LLMs.
- Familiarity with few-shot and zero-shot learning techniques
- Knowledge of cloud-based AI services and serverless architectures.
- Ability to work in an agile development environment and collaborate with cross-functional teams
- Life science / Pharmaceutical domain experience is a big plus

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.

Role Requirements

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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Division

Operations

Business Unit

CTS

Location

India

Site

Hyderabad (Office)

Company / Legal Entity

IN10 (FCRS = IN010) Novartis Healthcare Private Limited

Functional Area

Data and Digital

Job Type

Full time

Employment Type

Regular

Shift Work

No

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