

KOMATSU

Komatsu Pakistan Soft

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Position Title R&D Engineer (LLMs & AI Automation)

Why should you join Komatsu Pakistan Soft?

Komatsu Pakistan Soft is a fully owned subsidiary of Komatsu Limited Japan, and we are a part of Komatsu Group of Companies. Komatsu Pakistan Soft (Pvt.) Limited is into operation since 1999. We excel in providing enterprise software application solutions, IT consultancy and outsourcing services. Our vision, utter commitment, sheer dedication, unmatched teamwork and customer-centric approach have helped us evolve into a forerunner of innovation and ingenuity within Komatsu group as well as across the global IT industry.

Industry	Information Technology
Employment Type	This is a full-time on-site 6-months contract role, 05 days a week
Job Level	This is a Mid-Senior Level Role with 03-05 years of experience
Education	BS(CS) / BS(IT) / BS (SE)
Location	G-8, Islamabad

About Your Role:

We are looking for an experienced Generative AI Engineer to design, build and deploy AI-powered solutions using Large Language Models (LLMs). The role focuses on integrating GenAI into real-world applications such as chatbots, copilots, document intelligence, workflow automation and developer productivity tools. The ideal candidate will lead technical research initiatives, should have strong hands-on experience with LLMs, prompt engineering, APIs and cloud-based AI services and can take ideas from proof-of-concept to production.

Your Impactful Goals Will Include:

- Conduct research on emerging Generative AI and cutting-edge technologies.
- Highly self-motivated and passionate about solving complex, high-impact technical problems.
- Design, develop and deploy GenAI applications using LLMs.
- Develop prompt strategies, chains and agents for reliable outputs.
- Integrate AI features into existing applications (web, backend, APIs).
- Optimize AI responses for accuracy, cost, latency and safety.
- Implement AI observability, logging and evaluation metrics.
- Ensure data privacy, security and compliance.

Functional Skills Requirement:

- Strong proficiency in Python (mandatory)
- Hands-on experience with LLMs (OpenAI, Azure OpenAI, Anthropic etc.).
- Hands-on experience with Web APIs.
- Hands-on experience with machine learning frameworks (TensorFlow, PyTorch etc.)
- Strong prompt engineering and prompt optimization.
- Stay current with advancements in AI, NLP, and foundation models.
- Experience with RAG architecture.
- Fine-tune or adapt models where required.
- Architect scalable AI systems (cloud, hybrid or on-prem).
- Knowledge of MCP, token limits, embeddings and similarity search.
- Docker & containerized deployments (preferred)
- Good to have DotNet/Angular/React experience
- REST API development & integration.
- Excellent communication skills in English.