Ameer Khan
GenAI Engineer
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SUMMARY

GenAI Engineer with hands-on experience building LLM-driven applications using LangChain, LangGraph, and RAG workflows. Skilled in developing agentic AI systems for retrieval, reasoning, and task automation. Strong foundation in Python, prompt engineering, and deploying applications using Docker with lightweight CI/CD pipelines.

TECHNICAL SKILLS

GenAI Frameworks: LangChain, LangGraph, Google ADK, OpenAI API, HuggingFace
Core Concepts: RAG, Agentic AI, Prompt Engineering, VectorDB
Programming: Python
Deployment & MLOps Tools: Flask, Docker, GitHub Actions (CI/CD)
Database: SQL and MongoDB
Other Tools: Git, Linux, VS Code

WORK EXPERIENCE

GenAI Trainee — Ignitz Solutions   *Aug 2025 – Present*
Project: ElevateU
An AI-enhanced learning platform integrating a personalized LMS and an intelligent student support assistant.

- Built a full-featured LMS with course discovery, progress tracking, and personalized dashboards.
- Integrated an AI Agent chatbot across modules for real-time guidance and learner support.

AI Intern — Cohyve   *May 2025 – Aug 2025*
Project: RUMI
Built an agentic chatbot leveraging RAG and Google ADK, for the organization which provides assistance and document-based reasoning.

- Implemented RAG-based knowledge retrieval for contextual insights.
- Optimized prompt chaining and memory for continuous conversations.

PROJECTS

Optimizing Energy Efficiency in Multi-Cloud Environments (EAAWAS): Final year project a dynamic ML-driven system that reduces cloud energy usage and carbon emissions through region-aware workload allocation. Integrated LSTM, ARIMA, and Bayesian optimization across five AWS regions, achieving a 27.2% reduction in energy usage and a 31.4% drop in emissions. Ensured 99.992% availability using real-time monitoring and predictive analytics.

End-to-End Kubernetes CI/CD Pipeline with Security and Observability: Deployed a secure three-tier application on AWS EKS using Kubernetes, automated with Terraform and AWS CLI. Built a GitHub Actions CI/CD pipeline integrating Docker, SonarQube for container security. Configured ArgoCD for continuous delivery and optimized cluster performance using Prometheus and Grafana for real-time monitoring.

EDUCATION

B.Tech in Computer Science and Engineering
Lingaya's Institute of Management and Technology   2025
CGPA: 6.75
Diploma in Electronics and Communication Engineering
Govt. Polytechnic, Vijayawada   2020
Percentage: 64.15%
SSC
Sravanthi High School   2017
GPA: 9.7

CERTIFICATIONS

NPTEL Elite Plus Silver: Cloud Computing	2024
EDX Verified: DevOps Basics for Everyone	2024
Salesforce Developer Virtual Internship	2023