

KARTIK GOSWAMI

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GitHub: github.com/kartik703 | Portfolio: kartik703.github.io

PROFILE

AI Engineer with strong commercial experience in building and deploying GenAI and LLM-powered systems at scale. Proficient in Python, LangGraph, Hugging Face, and OpenAI APIs. Familiar with cloud-native deployments and DevOps practices including Docker, CI/CD, and Kubernetes. Passionate about building scalable, cost-effective AI infrastructure in collaborative, cross-functional environments.

TECHNICAL SKILLS

Languages: Python, SQL, JavaScript (familiar)

GenAI/LLMs: LangGraph, CrewAI, OpenAI APIs, Hugging Face Transformers

ML Frameworks: PyTorch, TensorFlow, Scikit-learn

DevOps: Docker, Kubernetes, CI/CD, GitHub Actions, MLflow

Cloud: AWS (familiar), GCP (familiar), Terraform (basic)

Databases: PostgreSQL, MongoDB, NoSQL (conceptual)

Observability: Prometheus, Grafana (basic)

Distributed Systems: REST APIs, Vector DBs, LangChain agents

EDUCATION

MSc in Data Science and Artificial Intelligence

Newcastle University, UK - Sep 2024 - Sep 2025 (Expected)

Focus: Generative AI, LLM Applications, Scalable System Design

PROJECT EXPERIENCE

Agentic AI RAG System

Implemented local vector database-backed LangGraph retrieval system using OpenAI + CrewAI agents for autonomous task flows.

Stack: LangGraph, FAISS, OpenAI, Python

AI Job Match Explainer

LLM-powered REST-based tool for resume-job matching with explainable outputs.

Stack: GPT-4, LangChain, FastAPI, Streamlit

PDF Summarizer

NLP-based summarization service using HuggingFace transformers, deployed as a web app.

Stack: HuggingFace T5, Streamlit, Docker

Multimodal Idiomaticity Classifier

NLP and image-based classifier using transformer embeddings and paraphrased data augmentation.

Stack: T5, SBERT, PyTorch

CERTIFICATIONS

Certified Forage and Grassland Professional (British Airways), Mar 2025

IBM: Exploratory Data Analysis for ML (2024)

Google: Data Foundations (2024)

IBM: What is Data Science? (2024)

GUVI: AI for India 2.0

EXTRA-CURRICULAR & IMPACT

- AI Club Organizer: Sessions on LangGraph, GenAI Agents, and MLOps best practices
- Built and deployed 15+ AI apps and ML pipelines, emphasizing scalability and integration
- Contributor to open-source AI/DevOps integration projects