KARTIK GOSWAMI

Newcastle, UK | +44 7823605859 | goswamikartik420@gmail.com

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

PROFILE

Machine Learning Engineer with a strong foundation in LLMs and generative AI. Hands-on experience building and deploying NLP and LLM-powered applications using Hugging Face, LangChain, Vertex AI, and Python. Passionate about solving impactful fintech problems with scalable ML models and modern MLOps practices. Eager to contribute to a mission-driven digital bank focused on simplicity, fairness, and innovation.

TECHNICAL SKILLS

Languages: Python, SQL

GenAI/LLM: Hugging Face, LangChain, LangGraph, GPT-4, Llama (exploratory)

Modeling: Classification, Text Generation, Evaluation, RAG, Fine-Tuning (basic)

MLOps: MLflow, CI/CD, Docker, FastAPI, Monitoring & Evaluation Pipelines

Cloud: GCP (Vertex AI), AWS (Bedrock), REST APIs

Dev Practices: Git, Modular Code, Prompt Engineering, Model Coherence, Hallucination Reduction

EDUCATION

MSc in Data Science and Artificial Intelligence

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

Focus Areas: Generative AI, Deep Learning, Cloud AI Engineering, ML Evaluation

RELEVANT PROJECTS

GenAI PDF Summarizer

Developed an LLM-based document summarizer for dense financial texts, deployed using Streamlit and monitored for hallucination risks.

Stack: Hugging Face, T5, Streamlit, Prompt Engineering

RAG-Based Question Answering Agent

Built a production-ready assistant using LangGraph and OpenAI APIs with FAISS vector store retrieval.

Stack: LangGraph, OpenAI, FAISS, Python

AI Job Match Explainer

Created a LangChain-based system to align CVs with job specs using generative feedback and ranking logic.

Stack: LangChain, GPT-4, Streamlit

Multimodal Idiomaticity Classifier

Built and evaluated multimodal semantic understanding pipeline using text-image input and transformer tuning.

Stack: SBERT, PyTorch, Hugging Face

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 & COMMUNITY

- AI Club Organizer: Ran workshops on MLOps, GenAI, and hallucination mitigation techniques

- Contributor to open-source LLM deployments with LangGraph and Llama

- Strong team collaborator with real-world delivery experience across 15+ deployed projects