

KARTIK GOSWAMI

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

PROFILE

AI Engineer with strong hands-on experience delivering LLM-based projects using Hugging Face, LangChain, and LangGraph. Skilled in applying foundational NLP and GenAI to solve real-world problems through self-initiated projects and collaborative academic work. Passionate about AI innovation and eager to contribute to high-impact, client-facing solutions in a fast-paced consulting environment.

TECHNICAL SKILLS

Languages: Python, SQL

Frameworks: Hugging Face, LangChain, LangGraph, PyTorch, Scikit-learn

NLP & LLMs: Transformers, Embeddings, RAG, Generative AI, Conversational AI

MLOps: MLflow, FastAPI, Git, Docker (basic)

Cloud Familiarity: AWS, GCP (introductory), REST API integration

Software Skills: Modular Coding, Vector DBs, Lightweight Deployment

EDUCATION

MSc in Data Science and Artificial Intelligence

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

Core Learning: NLP, Deep Learning, AI Engineering, Cloud Deployment

SELECTED PROJECTS

Agentic RAG System

Prototyped an AI assistant using LangGraph and OpenAI APIs, with retrieval-augmented generation for grounded answers.

Stack: LangGraph, FAISS, OpenAI

Multimodal Idiomaticity Classifier

Built a transformer-based classifier to decode idiomatic meaning using NLP and image embeddings.

Stack: T5, SBERT, PyTorch, Hugging Face

AI Job Match Explainer

Created a resume matching tool with explainable outputs using LLMs and LangChain.

Stack: GPT-4, LangChain, Streamlit

Document Summarizer

Developed an academic and policy document summarizer using a fine-tuned LLM pipeline.

Stack: Hugging Face T5, Streamlit

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 & DEVELOPMENT

- Organizer of GenAI workshops at Newcastle University AI Club
- Built over 15 AI prototypes and proof-of-concepts focused on NLP and LLMs
- Open-source contributor exploring LangChain and LangGraph integrations