KARTIK GOSWAMI

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

PROFILE

Motivated AI Engineer with a strong foundation in ML, LLMs, and Agentic AI. Experienced in building and deploying NLP-powered and predictive models using Python, HuggingFace, and LangChain. Excellent at communicating AI concepts across teams and excited to contribute to meaningful, real-world applications. Proven ability to take academic and personal AI projects from concept to deployment.

TECHNICAL SKILLS

Languages: Python, SQL, JavaScript (familiar)

Frameworks: LangChain, HuggingFace Transformers, PyTorch, Scikit-learn

AI Techniques: LLMs, Agentic AI, NLP, Deep Learning, Predictive Analytics

Tools: Streamlit, Git, Docker, FastAPI, MLflow

Cloud & Deployment: Familiarity with AWS, Azure, GCP, MLOps practices

Software Principles: Prototyping, Clean Code, Version Control, CI/CD pipelines

EDUCATION

MSc in Data Science and Artificial Intelligence

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

Focus: LLMs, Deep Learning, Computer Vision, Cloud AI, Generative AI

PROJECT EXPERIENCE

AI Job Match Explainer

LLM-powered agent system for ranking resumes against job posts and generating explainable outputs.

Stack: GPT-4, LangChain, Streamlit, Python

Multimodal Idiomaticity Classifier

Created transformer-based classifier with paraphrased augmentation and zero-shot baseline.

Stack: HuggingFace, T5, SBERT, PyTorch

PDF Summarizer

Developed a document summarization tool using LLMs to compress long academic texts.

Stack: HuggingFace T5, Streamlit

Agentic RAG System (Prototype)

Experimented with LangChain Agents and Deepseek to implement a local vector database-backed retrieval system.

Stack: LangChain, OpenAI, FAISS

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

- AI Club Organizer: Led sessions on Agentic AI, LLM architectures, and FastAPI integration

- Volunteer mentor for beginner Python learners

- Built 15+ real-world AI projects with hands-on deployments and evaluations