KARTIK GOSWAMI

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

PROFILE

AI Engineer passionate about building intelligent, human-centered systems. Experienced with LLMs, NLP, and personalized recommendation algorithms. Strong track record of building scalable AI pipelines that adapt to user behavior in real-time. Adept at using Hugging Face, LangChain, and MLOps workflows to bring personalisation-driven AI products to life.

TECHNICAL SKILLS

Languages: Python, SQL

Libraries & Frameworks: Hugging Face Transformers, PyTorch, TensorFlow, LangChain, Scikit-learn

AI Applications: LLMs, NLP, Sentiment Analysis, Personalized Recommendation Engines, RAG

MLOps: MLflow, Docker, FastAPI, GitHub Actions, Streamlit

Cloud: GCP, AWS (familiar), REST APIs, Cloud Functions, Vertex AI (prototype)

EDUCATION

MSc in Data Science and Artificial Intelligence

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

Core Focus: Generative AI, NLP Personalisation, MLOps, Model Evaluation

SELECTED PROJECTS

Real-Time Personalisation Engine

Built a prototype recommendation engine that adapted responses to user sentiment and past queries.

Stack: Hugging Face, LangChain, OpenAI, Python

RAG-Based AI Companion

Created a LangGraph assistant with memory and real-time retrieval to personalize long user chats.

Stack: LangGraph, OpenAI, FAISS

NLP-Powered Resume Ranker

Developed a model to provide context-aware job match scores and dynamic explanations.

Stack: LangChain, GPT-4, Streamlit

Dynamic Summarizer for User Feedback

Created a real-time summarization app with LLMs for personalized customer insights.

Stack: Hugging Face, T5, Streamlit

CERTIFICATIONS

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

Google: Data Foundations (2024)

IBM: Exploratory Data Analysis for ML (2024)

IBM: What is Data Science? (2024)

GUVI: AI for India 2.0

EXTRA-CURRICULAR & IMPACT

- Organizer: Personalised AI + UX integration workshop at university AI Club

- Contributor to open-source recommendation tooling and LangChain pipelines

- 15+ real-world projects showcasing contextual reasoning and adaptive LLM behavior