

KARTIK GOSWAMI

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

PROFILE

AI Engineer with strong Python, LLMs, and NLP experience, grounded in deep Computer Science fundamentals and a product-focused mindset. Passionate about building scalable, data-centric AI systems using modern software engineering practices. Skilled in bringing AI innovations into production, with strong academic credentials and a drive for tackling greenfield challenges in fast-paced environments.

TECHNICAL SKILLS

Languages: Python, C++, Java (familiar), SQL

AI/ML: LLMs, NLP, Transformers, Deep Learning, Text Classification, Embeddings

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

Software Engineering: OOP, Algorithms, Data Structures, Design Patterns, APIs

Tools & DevOps: Git, Docker, MLflow, FastAPI, VS Code

Deployment: End-to-End Pipelines, MLOps, REST API Integrations

Other: Streamlit, OCR, Cloud Familiarity (AWS/GCP)

EDUCATION

MSc in Data Science and Artificial Intelligence

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

Strong academic foundation in AI, NLP, Deep Learning, and Computer Science fundamentals

RELEVANT PROJECTS

Multimodal Idiomaticity Classifier

Built and deployed a Hugging Face NLP pipeline to interpret semantic meaning using LLM-based embeddings and image alignment.

Stack: T5, SBERT, PyTorch

AI Investment Analyst

Created a trading dashboard combining yfinance with GPT-driven market insights.

Stack: LangChain, OpenAI, Streamlit

PDF Summarizer

NLP application that condenses financial/academic texts using transformer-based summarization.

Stack: HuggingFace T5, Streamlit

AI Job Matcher

Semantic matching engine for job and resume pairs with explainable outputs.

Stack: GPT-4, Sentence Embeddings, FastAPI

MLflow MLOps Pipeline

End-to-end model training, tuning, versioning and deployment.

Stack: XGBoost, MLflow, Hyperopt

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 at Newcastle University: Ran GenAI, MLOps & Software Engineering workshops
- Volunteer Python mentor and contributor to open-source AI projects
- Portfolio includes 15+ real-world AI/ML projects deployed across cloud and hybrid platforms