KARTIK GOSWAMI

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

PROFILE

Early-career AI Engineer with strong foundations in mathematics, machine learning, and LLM-powered applications. Proficient in SQL and Python with hands-on experience working on AI and NLP models using real-world and synthetic datasets. Eager to grow rapidly in a high-performing startup environment and contribute to building impactful AI-driven SaaS products.

TECHNICAL SKILLS

Languages: Python, SQL

AI/ML: LLMs, NLP, Classification Models, Transformers, Data Science Pipelines

Frameworks: Scikit-learn, PyTorch, Hugging Face Transformers

Tools: Streamlit, Git, Jupyter, FastAPI

Data Engineering: Data Wrangling, Preprocessing, First-Party Data Analysis (projects)

Cloud Familiarity: AWS/GCP basics, Docker (basic)

EDUCATION

MSc in Data Science and Artificial Intelligence

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

Core Modules: Machine Learning, Deep Learning, Big Data Analytics, NLP

RELEVANT PROJECTS

AI Job Match Explainer

Built NLP model pipeline to analyze resumes and job descriptions with explainable LLM feedback.

Stack: GPT-4, LangChain, Streamlit

PDF Summarizer

LLM summarization model that processes long-form academic text into concise summaries.

Stack: T5, Hugging Face, Python

ML Pipeline with MLflow

Developed an end-to-end ML pipeline with training, evaluation, and versioning.

Stack: Scikit-learn, MLflow

Multimodal Idiomaticity Classifier

Fine-tuned LLMs for semantic classification using image and text datasets.

Stack: SBERT, T5, PyTorch

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)

EXTRA-CURRICULAR & DEVELOPMENT

- Organizer: GenAI & NLP workshops at Newcastle AI Club

- Volunteer Python mentor for university beginners

- Personal portfolio of 15+ end-to-end AI/ML projects