

KARTIK GOSWAMI

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

PROFILE

AI Engineer and Data Scientist passionate about bringing AI models into live production. Skilled in designing, training, and deploying NLP and LLM-powered systems using Hugging Face, FastAPI, and Python. Comfortable working in fast-paced, cross-functional teams with a startup mindset. Proven track record in taking models from concept to production with focus on clean code and real user impact.

TECHNICAL SKILLS

Languages: Python, SQL

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

NLP: LLMs, Embeddings, Text Classification, Transformers, Named Entity Recognition

Cloud & Deployment: REST APIs, Docker, Git, Streamlit, MLflow, Pydantic

Other: OCR, Tabular Modeling, CV (basic), Dataclasses, Synthetic Data (exploratory)

EDUCATION

MSc in Data Science and Artificial Intelligence

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

Specialized Modules: NLP, Deep Learning, ML Engineering, Big Data Analytics

RELEVANT PROJECTS

Multimodal Idiomaticity Classifier

Built and deployed LLM-powered multimodal classifier to handle complex semantic understanding of idiomatic phrases.

Tools: T5, SBERT, HuggingFace, PyTorch

AI Job Match Explainer

End-to-end system that ranks resume-job fit and returns natural language explanations.

Tools: GPT-4, LangChain, Streamlit

PDF Summarizer

Deployed real-world summarization engine for long financial and academic documents using transformers.

Tools: HuggingFace T5, Python, Streamlit

Facial Mood Monitor

Real-time image recognition & expression classification app for emotion tracking.

Tools: TensorFlow, OpenCV, Hugging Face Spaces

MLflow MLOps Pipeline

Built and versioned ML lifecycle with full deployment stack.

Tools: XGBoost, MLflow, Hyperopt, Git

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: Led hands-on GenAI and MLOps workshops
- Volunteer instructor for school-level Python coding programs
- Open-source contributor for NLP/CV community projects