

KARTIK GOSWAMI

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

PROFILE

Artificial Intelligence Engineer with hands-on experience designing and deploying ML/NLP solutions in real-world business environments. Skilled in using Python, PyTorch, and cloud-based platforms to build scalable and impactful AI systems. Adept at applying statistical techniques and ML algorithms to solve complex client challenges, with strong consulting communication and collaboration abilities.

TECHNICAL SKILLS

Languages: Python, SQL

Frameworks & Libraries: PyTorch, Scikit-learn, Pandas, NumPy, Streamlit, SciPy

AI/ML Expertise: NLP, Computer Vision, Generative AI, LLMs, Classification Models, Analytics

MLOps: MLflow, Docker, CI/CD, Git, API deployment, Model lifecycle tracking

Cloud: Microsoft Azure (familiar), AWS, GCP (basic knowledge)

Business Impact: Problem Scoping, Stakeholder Communication, Value-driven Delivery

EDUCATION

MSc in Data Science and Artificial Intelligence

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

Focus Areas: NLP, Deep Learning, MLOps, Cloud AI Deployment, Advanced Analytics

RELEVANT PROJECTS

AI Job Match Explainer

Designed an NLP-driven solution that ranks CVs for job descriptions and generates natural explanations.

Stack: LangChain, GPT-4, Streamlit

PDF Summarizer

Built a document understanding tool using T5 transformers to summarize long-form text.

Stack: Hugging Face, T5, Streamlit

Multimodal Idiomaticity Classifier

Developed a hybrid NLP-Vision model to interpret idiomatic expressions with zero-shot capabilities.

Stack: SBERT, PyTorch, Transformers

MLflow Pipeline

Implemented a full AI model lifecycle using MLflow, from experimentation to deployment.

Stack: Scikit-learn, XGBoost, MLflow

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: Facilitated workshops on AI deployment and LLM tools
- Built 15+ end-to-end AI/ML projects with real-world relevance and cloud integration
- Volunteered as a Python mentor and open-source contributor