

KARTIK GOSWAMI

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

PROFILE

Machine Learning Engineer with hands-on experience deploying predictive analytics and automation solutions. Skilled in using Python, TensorFlow, and Scikit-learn to improve operational efficiency and enable data-driven decisions. Proven ability to collaborate across business and technical teams to implement ML strategies that deliver impact. Passionate about driving innovation in real-world settings like manufacturing and supply chain optimization.

TECHNICAL SKILLS

Languages: Python, SQL, R

Frameworks: TensorFlow, Scikit-learn, PyTorch, Pandas, NumPy

Techniques: Predictive Analytics, Time Series Forecasting, Statistical Modeling, Supervised & Unsupervised Learning

Deployment: Streamlit, MLflow, REST APIs, Docker

Cloud: Familiar with AWS, GCP, Azure

Tools: Jupyter, VS Code, Git, Tableau

EDUCATION

MSc in Data Science and Artificial Intelligence

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

Core: Machine Learning, Deep Learning, Forecasting, Big Data Analytics, AI Engineering

RELEVANT PROJECTS

AI Investment Analyst

Built an ML-powered financial insights tool combining real-time data from yfinance and GPT-based summaries. Focus on predictive modeling for trend analysis and reporting.

Tools: yfinance, LangChain, Streamlit

MLflow MLOps Pipeline

Deployed end-to-end ML system for lifecycle tracking, tuning, and versioning. Applicable to scalable deployments in operational contexts.

Tools: Scikit-learn, XGBoost, MLflow, Hyperopt

Food Calorie Estimator

Trained computer vision model for food recognition and calorie prediction. Demonstrated strong model optimization and deployment using PyTorch.

Tools: PyTorch, CV, Streamlit

Facial Mood Monitor

Deployed real-time CNN-based expression recognition app with efficient model serving via Hugging Face Spaces.

Tools: TensorFlow, OpenCV

CERTIFICATIONS

IBM: Exploratory Data Analysis for ML (2024)

Google: Data Foundations (2024)

IBM: What is Data Science? (2024)

GUVI: AI for India 2.0

EDX: Data Science Challenge

EXTRA-CURRICULAR

- Finalist at AI for Social Good Hackathon 2024
- AI Club Organizer at Newcastle University: Conducted industry-focused workshops
- Kaggle-style competition mentor & project reviewer
- Volunteer Python instructor for school outreach programs