Samuel Sonowo

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PROFILE

AI/ML Engineer with practical experience in machine learning, natural language processing (NLP), and deep learning. Skilled in building, training, and deploying machine learning models, with knowledge of MLOps practices, cloud platforms, and scalable data pipelines, and currently pursuing MSc Artificial Intelligence Technology at Northumbria University, London.

TECHNICAL SKILLS

- Languages: Python, Git
- ML & AI: Scikit-learn, TensorFlow, PyTorch, Hugging Face, XGBoost, Keras
- Data & NLP: Pandas, NumPy, spaCy, NLTK, OpenCV, Matplotlib, Seaborn
- MLOps & Deployment: Docker, FastAPI, Streamlit, GitHub Actions, REST APIs, Hugging Face Spaces
- Cloud: AWS (S3, EC2), GCP (BigQuery, AI Platform), Azure basics
- Specialities: Model Training, Classification, Regression, Sentiment Analysis, Time Series Forecasting, Hyperparameter Tuning, CI/CD

PROJECTS

NeutroFi – Multi-Agent Crypto Sentiment AI (Hackathon Finalist, 2025)
- Built a multi-agent system for financial sentiment analysis using NLP models.
- Applied transformer-based models (BERT) for crypto news & social data.
- Deployed via Streamlit + Docker, delivering real-time trading recommendations.

Steam Reviews Sentiment Analysis (MSc Project, 2025)
- Processed 6M+ rows of user review data for NLP classification tasks.
- Trained Logistic Regression, Random Forest, and BERT models with hyperparameter tuning.
-Optimised preprocessing pipeline, cutting runtime by 65%.

Smart Irrigation IoT + AI Predictions (IoT + ML Integration, 2025)

- Collected and processed IoT sensor data.
- Built an ML regression model for irrigation need predictions.
- Integrated ML inference into IoT workflow with automated actuation.

EDUCATION

Northumbria University, London
MSc Artificial Intelligence Technology (Expected 2026)
Modules: Machine Learning in Cloud, AI for IoT, Digital Leadership, Professional Practice

EXTRAS

- Publishing blogs on AI/ML & MLOps (Medium, LinkedIn).
- Active GitHub repos showcasing ML pipelines, NLP models, and deployed apps.
- Exploring cloud ML workflows (AWS, GCP, Azure).