

PETER WANGA OTIENO

GitHub: github.com/Wangadeveloper

Kaggle: kaggle.com/wangapa106g

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Location: Kerugoya, Kirinyaga County, Kenya

Professional Summary

Python Developer with real-world experience building and deploying AI/ML solutions. Skilled in Python, Flask, SQL, data pipelines and model deployment. Very passionate in building LLM-powered systems, developing data-driven features and deploying models into production environments. Strong interest in financial technology, automation and developer tooling.

Experience

Technical AI & ML Lead — Kirinyaga University Computer Society

Sep 2025 – Present | On-site

- Lead technical ML sessions and mentor student developers in AI/ML workflows
- Coordinate model experimentation, fine-tuning and cloud deployment projects
- Support students in Kaggle competitions, model building and best coding practices

Software Engineer (Internship) — Bumala Financial Services Association

Apr 2024 – Present | Kenya

- Developed and deployed LLM-powered loan recommendation module (Python + Flask)
- Assisted in evaluating customer credit risk using data-driven ML classification
- Improved backend reliability and participated in software maintenance + refactoring

Junior Machine Learning Engineer / Data Analyst (Contract) — Raha Premium Flour Milling Company
Jan 2024 – Jan 2025 | Kenya

- Built ML model to predict production output for large-scale milling operations
 - Achieved measurable accuracy improvement → enabled better planning & inventory
 - Worked with Kubernetes/GCP for containerization and scalable inference
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Projects

- **Financial Advice LLM Integration** — integrated Gemini LLM into a banking web app using Flask + SQLAlchemy to recommend loan amounts and provide financial guidance.

Worked on numerous kaggle competitions , where have been doing well on the leader board on the following

- **Energy Consumption Forecasting** — trained 3 ML models, best achieving 96% accuracy for predicting consumer/prosumer electricity usage.
 - **Financial Markets Prediction (Kaggle)** — Bronze medal; strong data cleaning + feature engineering.
 - **Mecor AI competition** - This project aims to develop a robust, high-performance machine learning model capable of classifying writing samples as authentic (0) or inauthentic (1) using natural language processing (NLP) techniques. The model will produce probability scores evaluated using ROC-AUC, the competition's official metric.where I got a model with 0.9935 accuracy on the test set
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Technical Skills

- **Languages:** Python (Strong), C++ (Intermediate), C (Intermediate), JavaScript (Basic)
- **Frameworks:** Flask, scikit-learn, TensorFlow, PyTorch, Hugging Face

- **Tools:** Docker, Kubernetes, GCP (BigQuery), SQL, Git/GitHub
 - **AI/ML:** LLMs, ML pipelines, inference optimization
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Certifications

- Kaggle Google 5 days Intesive Generative AI certification,OCI cloud ML&AI Engineer(certified),Kaggle Certifications involving AI&ML(advanced sql(google BigQuery))
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Education

- Kirinyaga University of Science and Technology (Undergraduate)
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