ROTIMI SHERIFF OMOSEWO

Junior Machine Learning Engineer

Email: omoseworotimi@gmail.com Phone: +234 903 441 1444 Location: Ilorin, Nigeria
Portfolio: rotimi2020.github.io LinkedIn: linkedin.com/in/rotimi-sheriff-omosewo
GitHub: github.com/rotimi2020

PROFESSIONAL SUMMARY

Recent Computer Science graduate with IBM Data Science certification seeking entry-level machine learning position. Developed strong technical foundation in Python, SQL, and data analysis through academic projects and self-study. Built multiple machine learning projects demonstrating ability in predictive modeling and data analysis. Quick learner with strong problem-solving skills, eager to contribute to a machine learning team and grow professionally.

Key Project Achievements

- Engineered ensemble models achieving 25% improvement in forecasting accuracy for retail sales
- Developed automated ML pipelines reducing model deployment time by 40%
- Built classification models with 89% accuracy for healthcare risk prediction
- Optimized model inference achieving 30% faster prediction times

TECHNICAL SKILLS

Machine Learning & AI

- Python (TensorFlow, PyTorch, Scikit-learn)
- Deep Learning & Neural Networks
- Natural Language Processing (NLP)
- Computer Vision & Image Processing

Engineering & Development

- ML Pipeline Development & Automation
- Model Deployment & MLOps
- REST APIs & Microservices
- Docker, Git/GitHub, CI/CD

Data & Infrastructure

- SQL & Database Management
- Feature Engineering & ETL
- Cloud Platforms (AWS, GCP)
- Data Preprocessing & Cleaning

PROJECT EXPERIENCE

Machine Learning Educator & Content Creator

2020 – Present | Remote

- Developed tutorials on machine learning workflows, including data preprocessing, model development, and deployment with Python
- Created project-based content demonstrating applied ML techniques such as model optimization and evaluation
- Guided 150+ learners in applying ML engineering concepts, from feature engineering to model serving
- Designed structured learning resources that simplified complex ML concepts and encouraged hands-on implementation

MACHINE LEARNING PROJECTS

NHANES Diabetes Risk Prediction System

Healthcare ML Engineering | 2025

- Engineered LightGBM classifier achieving 89% accuracy in diabetes risk prediction from 9,000+ patient records
- Developed end-to-end ML pipeline including feature engineering, model training, and performance evaluation
- Implemented model interpretability using SHAP analysis and deployed as production-ready Streamlit application
- Optimized hyperparameters reducing prediction latency by 30% while maintaining accuracy
- Technologies: Python, LightGBM, Scikit-learn, Streamlit, SHAP, ML Pipeline

Rossmann Sales Forecasting Engine

Retail ML System | 2025

- Built ensemble forecasting system (CatBoost, XGBoost, Prophet) for 1,100+ stores using 1M+ sales records
- Engineered automated feature pipeline with temporal features achieving RMSE of 624 for daily predictions
- Implemented Bayesian optimization for hyperparameter tuning, improving model accuracy by 25%
- Developed scalable data preprocessing pipeline handling large-scale time-series data efficiently
- Technologies: Python, CatBoost, XGBoost, Prophet, Bayesian Optimization, Time Series

Customer Churn Prediction API

ML System Development | 2025

- Developed ensemble classification model predicting customer churn with 92% accuracy
- Built REST API for model serving and implemented automated retraining pipeline
- Engineered feature importance analysis identifying key drivers of customer attrition
- Containerized application using Docker for scalable deployment and monitoring
- Technologies: Python, Random Forest, XGBoost, FastAPI, Docker, Model Deployment

EDUCATION

BSc (Hons) in Computer Science

National Open University of Nigeria | July 2019

CERTIFICATIONS

- IBM Data Science Professional Certificate — IBM (May 2020)
- NYSC Exemption Certificate — National Youth Service Corps (May 2020)
- BCG Data Science Job Simulation — Forage Virtual Internship (2025)
- Microsoft PL-300: Power BI Data Analyst — In Progress (Expected December 2025)

REFEREES

Available on request