AGBAYI PRINCE ODINAKA

DATA SCIENTIST AND MACHINE LEARNING/AI ENGINEER

Lokogoma, Abuja | +2347051329071, +79686201934 | prince4albert@gmail.com

Kaggle: odinaka541   Github: odinaka541   Website: odinaka541

PROFESSIONAL SUMMARY

Data Scientist with 2 years building production ML systems and extensive financial markets expertise. Currently optimizing ML pipelines at a high-growth startup, dramatically improving system performance through advanced analytics. Proficient in Python, R, and AWS (SageMaker, EC2, S3) with proven ability to collaborate cross-functionally and deliver quantifiable business impact. CFA Level I candidate passionate (to a point of obsession) about applying machine learning to financial services innovation. Founded AI startup and PE firm.

TECHNICAL EXPERTISE

PROGRAMMING AND FRAMEWORKS

- **Python**: NumPy, Pandas, Scikit-Learn, XGBoost, LightGBM
- **Deep Learning**: TensorFlow, PyTorch
- **Big Data:** PySpark
- **Languages:** Python, R, SQL, C++

CLOUD AND INFRASTRUCTURE

- **AWS**: SageMaker, EMR, S3, EC2
- **Databases**: PostgreSQL

Soft Skills

- Cross-functional collaboration
- Fast learner & self-starter
- Critical thinking & analytical mindset
- Agile development & remote teamwork
- Strong written & verbal communication
- Multilingual

MACHINE LEARNING AND AI

- **Supervised**: Regression, Ensemble Methods
- **NLP**: NLTK, spaCy, Transformers, BERT, GPT
- **Time Series**: ARIMA

FINANCIAL DATA LIBRARIES

- **pandas-datareader**
- **yfinance**
- **quandl**
- **QuantLib**
- **riskfolio-lib**
- **Bloomberg Terminal, Risk analysis**

PROFESSIONAL EXPERIENCE

AI Engineer, | 2025 - Present

Memora

- Architected and optimized AI engine for real-time semantic search across image and GIF datasets, implementing BLIP, CLIP, and YOLO models with custom text extraction algorithms
- Built scalable retrieval system handling high-volume concurrent requests from backend services, optimizing inference pipelines for minimal latency and maximum accuracy
- Collaborated cross-functionally with backend, frontend, and web development teams to integrate AI capabilities into production systems
- Engineered multi-modal processing pipeline supporting diverse image formats and complex visual queries with robust error handling and performance monitoring

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Founder and CEO, | 2025 - Present

Lemina

- Founded and developed AI-first data platform enabling natural language interaction with diverse datasets, including automated sheet generation and editing capabilities
- Led product development from conception to beta, building core platform using Python-based ML infrastructure
- Assembled and managed technical team of 3 engineers while maintaining hands-on development responsibilities

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Data Science Consultant, | 2025

International NGO

- Developed web scraping automation scripts using Python to streamline data collection processes via data pipelines, reducing manual effort by 80%
- Built text summarization pipelines using NLP techniques to process large document volumes for organizational knowledge management

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Lead Instructor, | 2022 - 2024

Eureka Financial Academy

- Designed and delivered comprehensive curriculum on blockchain technology and investment strategies to 500+ students
- Taught students in practical application of blockchain technology
- Developed educational frameworks translating complex blockchain concepts into accessible learning modules for diverse student backgrounds

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Quantitative Researcher (Freelance), | 2025

INDEPENDENT PROJECT

- Developed predictive models for NYSE stock price forecasting using statistical and ML-based approaches.
- Explored time series modeling and regression frameworks to analyze market trends and anomalies.

Machine Learning Competitor, | 2025 - Present

Various Platforms

- Active participant in ML competitions across multiple platforms, developing and testing novel approaches to diverse machine learning challenges
- Implemented ensemble methods and feature engineering techniques achieving consistent performance improvements across competition datasets

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SOFTWARE ENGINEERING,

ITMO University, St. Petersburg

DATA SCIENCE,

Miva University, Abuja

R Mastery Course|

Udemy

Charted Financial Analyst (CFA) Level One Candidate |

CFA