Oladimeji Balogun

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Machine Learning & AI Engineer | Data Science | Generative AI

I am a machine learning & AI Engineer with a strong foundation in computer science and applied data science. I am skilled in building and deploying machine learning solutions, integrating generative AI into applications, and developing end-to-end data pipelines. I have experience in Python, scikit-learn, PyTorch, FastAPI, and modern deployment practices.
I am committed to learning continuously with the hope of transforming real-world problems into production-ready AI systems.

WORK EXPERIENCE

Kode10X - Lagos, *Nigeria (Remote)*   07/2024 – 03/2025
Data Scientist

- Developed and deployed NLP models for sentiment analysis and churn prediction, improving retention by 30%.
- Optimized model performance, reducing inference latency by 25% for real-time use.
- Integrated ML solutions into production systems in collaboration with engineers.

RemoDesk Technologies – *India (Remote)*   *10*/2024 - 01/2025
AI Engineering Intern

- Built a predictive model for anaemia detection with 89% accuracy to support early diagnosis.
- Designed a document intelligence pipeline using OCR and NLP for automated data extraction.
- Delivered modular ML solutions for rapid testing and deployment in healthcare settings.

Digital Regenesys – *South Africa (Remote)*   07/2024 - 10/2024
Data Science Instructor & Curriculum Developer

- Delivered workshops on Python, ML, and business analytics with a 73% student satisfaction rating.
- Mentored students on end-to-end data science projects, including model deployment.
- Contributed to curriculum design for cloud analytics.
- Trained learners in data storytelling and visualization using Power BI.

Hamoye – *USA (Remote)*   03/2024 - 07/2024

- Led a project on government budget forecasting with 85% accuracy using TensorFlow.
- Built an end-to-end pipeline covering cleaning, feature engineering, and training.
- Generated reports to guide budget allocation strategies.

EDUCATION

Federal University of Technology - Akure*, Ondo state*
Bachelor of Technology – **Computer Science**, June 2023 – Present

WorldQuant University - *USA*
Certificate in Applied Data Science, Jan 2024 – Dec 2024

PROFESSIONAL SKILLS

- **Programming:** Python, SQL, JavaScript
- **Web Development:** React, Tailwind CSS, Material UI, NodeJS, FastAPI
- **Machine Learning:** PyTorch, scikit-learn, spaCy, Hugging Face
- **Data Science:** Pandas, NumPy, Exploratory Data Analysis, Visualization (Matplotlib, Seaborn, Plotly)
- **AI:** LangGraph, LangChain, Pinecone vector DB, OpenAI API
- **Deployment:** APIs, Docker, CI/CD basics, Vercel, Render
- **Soft Skills:** Communication, problem-solving, collaboration

PROJECTS

- **AI Resume Screener:** Automated resume parsing and screening with NLP (GitHub)
- **Healthcare support chatbot:** RAG-based medical assistant powered by LangChain + OpenAI (GitHub)
- **Inventory Data Extration Pipeline:** OCR & NLP pipeline for structured data capture (GitHub)

VOLUNTEER EXPERIENCE

DSN AI+ FUTA - Akure*, Ondo state*   01/2025 – PRESENT
Data Science and Machine Learning Team Lead

- Co-organize training sessions and events to upskill community members in machine learning and AI.
- Provide technical mentorship and guidance on data-driven projects.

DSN (Data Science Nigeria) - *Nigeria*   05/2024 - 07/2024

Volunteer Data Science Mentor

- Mentored aspiring data scientists on foundational and applied machine learning concepts.
- Supported project-based learning and community knowledge sharing.

DataGlobal Hub - *Nigeria*   04/2025 - PRESENT

Ambassador

- Promote data science initiatives and support awareness programs for emerging technologies.

Enactus FUTA - *Nigeria*   05/2024 - 07/2024

Team Member

- Collaborated on social innovation projects with a focus on applying technology for community development.

AWARDS AND HONORS

Dean's List – *Federal University of Tech, Akure*   06/2024 - PRESENT

- Recognized for exceptional academic performance (First Class).

PTDF Undergraduate Scholarship Award - *PTDF*   01/2025

- Awarded for outstanding academic excellence.

Federal Govt. Undergraduate Scholarship Award - *FSB*   01/2025

- Awarded for consistent academic distinction across multiple semesters.

PROFESSIONAL MEMBERSHIPS

- Data Science Nigeria (06/2023 – PRESENT)
- Cardinal Healthcare Foundation (01/2024 – PRESENT)

LANGUAGE COMPETENCIES

- Yoruba: native language
- English: fluent (speaking, reading, writing)