Ogunsanya Ayobami Akanbi

Machine Learning Engineer

⊙ Lagos, Nigeria 📞 +2347044094481 @ ogunsanya.a.akanbi@gmail.com 🔗 Website

🐙 AyoBankole in Ayobami Ogunsanya MushinDataGuy ▶ Mushin_AI_Guy

Summary

A highly motivated and detail-oriented Machine Learning and Artificial Intelligence Engineer with over two years of hands-on experience in designing, developing, and deploying intelligent systems that drive business value. Proficient in a wide range of supervised and unsupervised learning techniques, predictive modeling, and the fine-tuning of Large Language Models (LLMs). Possesses a proven track record of extracting actionable insights from complex datasets, optimizing decision-making processes, and automating business intelligence. Passionate about leveraging AI to create impactful solutions for real-world challenges, enhance customer outcomes, and spearhead digital transformation in emerging markets.

Skills

Programming Languages	Business Intelligence Tools	Project Management Tools	Data Analysis & Modeling	Soft Skills
■■■■□	■■■□□	■■■□□	■■■□□	■■■■□
Python, SQL, CSS	Tableau, PowerBI	Trello, Asana, Jira	Exploratory Data Analysis (EDA), Predictive Modeling, Classification, Clustering	Leadership, Project Management, Collaboration, Problem-Solving, Communication, Mentorship, Analytical Thinking

Professional Experience & Fellowships

SuperProf
Machine Learning Engineer (Remote)
United Kingdom
January 2024 - Present

- Engineered scalable learning pipelines using Python and SQL, improving ML model training and project simulation speed by 30%.
- Architected and implemented over 50 A/B testing and causal inference frameworks, which improved the validation of core ML experimentation practices by 100%.
- Led KPI design and ML metric integration for student projects using Power BI and Tableau, enhancing the understanding of model performance and leading to a 20% improvement in optimization strategies.
- Mentored students in deploying ML models and visualizing insights, resulting in a 90% successful end-to-end project completion rate.

3MTT Fellowship — NITDA / Federal Government of Nigeria
Data Science Fellow
Lagos, Nigeria
November 2023 – May 2024

- Applied advanced data science and Azure AI concepts from the AI-102 curriculum to multiple capstone projects, achieving an average model accuracy improvement of 15% across projects.
- Engineered a comprehensive job application and scholarship tracker as a final project, which automated tracking processes and reduced manual data entry time by 60%.

The 234 Project Community
AI Engineering Fellow
Lagos, Nigeria
March 2025 - Present

- Applied enhanced business analysis and project management skills to lead an AI engineering project from concept to prototype.
- Spearheaded the development of **VisoVox**, an AI accessibility tool, delivering a prototype with 95% accuracy in real-time caption-to-speech conversion, significantly improving digital content accessibility for visually impaired users.

Projects

CircleCare AI
Comprehensive solution designed to support individuals in managing Polycystic Ovary Syndrome (PCOS).

- Built a conversational health assistant using **TensorFlow**, **Flask**, and LLM prompt engineering to deliver multilingual support for women managing PCOS.
- Applied AI-powered insights to enable smarter health tracking and data-driven lifestyle recommendations.

Telemedicine, Chatbot, Multilingual, Python, TensorFlow, Scikit-learn, Flask, Streamlit, PostgreSQL, GitHub Actions

🔗 Live Demo

Movie Recommendation System
The project aims to build an intelligent system that suggests movies to users based on their preferences and behaviors using Content-Based Filtering focusing on the Genre.

- Created a **Content-Based Filtering** engine using cosine similarity and NLP to suggest personalized movie options.
- Addressed data sparsity and improved recommendation accuracy by 18% through iterative preprocessing and tuning.

Lemmatization, tensorflow, similarity search

🔗 Movie Recommender

Visovox AI
Caption-to-Voice AI Assistant

- Developed an accessibility AI tool using **Computer Vision**, **NLP**, and **TTS** to convert image captions to speech.
- Integrated NLTK and TensorFlow to support visually impaired users with real-time auditory feedback.

Python, Pandas, Scikit-learn, SMOTE, Cross-validation, Matplotlib, Seaborn

🔗 Visovox App

Certifications

Applied Data Certification & Bootcamp GOMYCODE Tech Institute, Lagos 🔗 Applied DS Cert	**Applied Data Science** WorldQuant University, New Orleeans, Louisiana 🔗 WQU Certificate	**Scrum Foundation Professional Cert. (SFPC)** Centiprof 🔗 SCRUM cert	**Designing and Implementing a Microsoft Azure AI Solution (AI-102)** Microsoft **(In Progress)**

Education

University of the People B.Sc. Computer Science Online **Expected 2027** 🔗 https://www.uopeople.edu/	**University of Lagos** BSc Marine Biology 4.70/5.00 Full Time • **Award:** Undergraduate Financial Aid for First-Class Students • **Award:** Most Impactful Student, Marine Science Student Association 🔗 https://www.unilag.edu.ng

Interests

Interests
Healthcare, MediTech, ClimaTech, Innovate AI

References

Available on Request