

Purpose Oluwadahunsi

Ogun State

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Summary

Computer Science undergraduate and aspiring AI Engineer with hands-on experience developing machine learning models and AI-powered applications. Proficient in Python, Scikit-learn, Pandas, Streamlit, and modern web technologies, with a growing focus on Large Language Models (LLMs) and full-stack AI development. Passionate about building intelligent solutions that solve meaningful problems and continuously expanding my expertise in artificial intelligence

Github

<https://github.com/PurposeOluwadahunsi>

LinkedIn

<https://www.linkedin.com/in/purpose-oluwadahunsi-43a3a2298>

Skills

pandas, numpy, scikit-learn, matplotlib, Power BI, NLP, OOP, CNN(Image Classification), Generative AI, Streamlit, Prompt Engineering, HTML, CSS, Data Mining, Data Science, Model training, Fine-tuning and Evaluation, Python, SQL, Deep Learning, Large Language Models(LLMs), Streamlit, Supabase, GitHub, Git, JavaScript, Time management, Microsoft excel

Projects

DashAI - AI Powered Learning Platform

Stack: Next.js, TypeScript, Supabase, PostgreSQL, Groq API, RAG

- Built an AI-powered study platform featuring intelligent tutoring, quizzes, flashcards, and personalized learning tools.
- Integrated Large Language Models (LLMs) with Retrieval-Augmented Generation (RAG) for context-aware AI responses.
- Developed a Progressive Web App (PWA) with authentication, push notifications, and offline capabilities.
- Designed a scalable backend using Supabase and PostgreSQL

Malaria Risk Prediction System

Stack: Python, Scikit-learn, Streamlit

- Developed a machine learning model to estimate malaria risk based on patient symptoms.
- Built and deployed an interactive Streamlit application for real-time risk assessment.
- Classified users into Low, Moderate, and High-risk categories using predictive analytics.
- Evaluated model performance to improve prediction reliability.

Housing Price Prediction Python, scikit-learn

Stack: Python, Scikit-learn

- Built a machine learning regression model for housing price prediction.
- Cleaned and analyzed housing datasets to identify influential pricing factors.
- Evaluated multiple regression algorithms and optimized model performance.
- Visualized key trends to support model interpretation.

Car Price Prediction Model

Stack: Python, Pandas, Scikit-learn

- Developed a regression model to predict used car prices from vehicle attributes.
- Performed data cleaning, feature engineering, and model evaluation to improve predictive performance.
- Compared multiple machine learning algorithms and optimized model accuracy.
- Achieved approximately 89% prediction accuracy.

Experience

Community Member

Data Science Nigeria • Nigeria

05/2025 - Present

- Participated in data science learning programs, workshops, and technical discussions.
- Collaborated with community members on knowledge-sharing and machine learning activities.
- Strengthened practical skills in Python, machine learning, and data analysis through practical projects.

Ambassador Personnel

DataGlobal Hub (Remote) • Phoenix, AZ

03/2025 - Present

- Represent the DataGlobal Hub community through outreach and engagement initiatives.
- Promote data literacy by participating in events and community collaborations.

Intern

Programify Internship • Nigeria

09/2025 - 11/2025

- Cleaned and analyzed datasets using Python to extract meaningful insights.
- Developed and evaluated machine learning models for predictive tasks.
- Collaborated with fellow interns on data science projects and presented technical findings.

Internship Student

Lagos State Science and Innovation Technology • Lagos State, Nigeria

07/2025 - 10/2025

Organized and cleaned data using Excel and Python.

Created simple reports and charts for the team.

Supported IT staff with documentation and daily tasks.

Education

Computer Science

Olabisi Onabanjo University • Ago Iwoye, Nigeria

02/2027

Certificates

Career Essentials in Generative AI - Microsoft & LinkedIn, Data Science Nigeria AI Bootcamp - Data Science Nigeria, Stanford CS229: Machine Learning

Awards

Jobberman Soft Skills Training
