

VICTOR RIDWAN ADEMUYIWA

AI Engineer

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Professional Summary

Motivated AI Engineer with a strong foundation in machine learning, software engineering, and scientific problem-solving. Skilled in building intelligent systems, developing predictive models, and creating interactive web applications. Known for clear communication, strong teaching ability, and a passion for simplifying complex concepts. Driven by the belief that progress is achieved through consistency, patience, and intentional learning.

Education

B.Sc. Industrial Chemistry

Federal University of Petroleum Resources, Effurun

Advanced Diploma in Software Engineering (AI/ML Track)

Aptech Computer Education

AI Engineer

AI Fellowship Abeokuta

Technical Skills

- **AI & ML:** Machine Learning, RAG Systems, Model Training, Predictive Analytics
- **Programming:** Python, JavaScript, HTML, CSS
- **Frameworks & Tools:** LangChain, ChromaDB, Scikit-learn, FastAPI
- **Core Strengths:** Problem-solving, Debugging, Prompt Engineering, Teaching & Mentorship

Professional Experience

Chemistry Teacher

U.E.C Secondary School

Nov 2023 – Oct 2024

- Taught chemistry to secondary school students using real-life examples and simplified explanations.
- Helped students overcome fear of the subject by shifting their mindset and building confidence.
- Designed lesson plans that improved understanding and engagement.

Laboratory Assistant (Intern)

Federal University of Petroleum Resources

April 2021 – August 2021

- Assisted in laboratory operations, equipment handling, and experiment preparation.
- Supported students and researchers with practical sessions and data collection.
- Ensured safety compliance and proper documentation of lab activities.

Projects

RAG Chatbot (Personal AI Assistant)

Built a Retrieval-Augmented Generation system that answers questions about personal background using embeddings, LangChain, and OpenAI LLMs.

Student Performance Prediction

Developed a machine learning model to identify students at risk of poor academic performance using demographic and academic data.

Car Price Prediction System

Created a supervised ML model to predict car prices and deployed it using FastAPI.

Web Projects

- *Beautiful-Beaches*: Travel-themed website showcasing beaches worldwide.
- *Guess-My-Number*: Two-player interactive number game.
- *custom_coffee*: First web project; a simple UI clone for learning HTML/CSS.

Certifications

- Advanced Diploma in Software Engineering (AI/ML)
- B.Sc. Industrial Chemistry

Additional Skills

- Prompt Engineering
- Debugging & Troubleshooting
- Teaching & Mentorship
- Strong Analytical Thinking