

# 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