

Ojomideju Adejo

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EDUCATION

Bowen University, Iwo

B. Eng. Mechatronics Engineering

Osun State, Nigeria

Nov. 2020 – June 2025

EXPERIENCE

Machine Learning Intern

Feb. 2024 – Sep. 2024

National Center for Artificial Intelligence and Robotics (NCAIR)

Abuja, Nigeria

- Contributed to the development of machine learning models and AI systems under the guidance of senior engineers.
- Participated in collaborative projects focused on real-world AI applications in robotics and data analysis.

Mechatronics Engineering Intern

June 2023 – Sep. 2023

National Space Research and Development Agency (NASRDA)

Abuja, Nigeria

- Gained practical experience in embedded systems and Mechatronics processes.
- Assisted in technical tasks related to project development and system maintenance.

Data Entry Specialist

Mar. 2023 – Mar. 2023

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Remote

- Managed and organized large volumes of structured data using spreadsheets, ensuring high accuracy and consistency.
- Increased data reliability by careful validation and correction of data inconsistencies.
- Maintained productivity under tight deadlines, consistently meeting targets without compromising data integrity.

PROJECTS

BAES Senate Election Website | JavaScript, Flask, SQL, Supabase, Vercel

December 2024

- Developed a secure, full-stack web application to facilitate student voting during the Bowen Association of Engineering Students (BAES) senate elections.
- Implemented authentication and authorization to ensure only eligible students could vote, maintaining election integrity.
- Designed a responsive, intuitive frontend with real-time vote tallying and result display for enhanced user engagement.
- Deployed the application for public access using Vercel, streamlining the electoral process in the college.

Learning Assistant Chatbot | Python, LangChain, Groq API, Streamlit

August 2024

- Built a chatbot using LangChain and Streamlit to assist academic learning.
- Enabled users to upload notes, YouTube links, and ask academic/general questions.
- Integrated semantic routing to handle multiple tasks like Q&A, summarization, and contextual document chat.

Beans Disease Detection Model | Python, TensorFlow, Keras, Flask

June 2024

- Developed a CNN-based model for classifying bean leaf diseases using TensorFlow, Keras, and transfer learning techniques.
- Applied data preprocessing, augmentation, and feature extraction techniques.
- Achieved over 90% accuracy on the training and test sets.
- Deployed CNN model via Flask API to a web app for inference and testing.

TECHNICAL SKILLS

Languages: Python, C++, JavaScript, SQL, HTML/CSS

Frameworks & Libraries: TensorFlow, Keras, PyTorch, Scikit-learn, Hugging Face Transformers, LangChain, LangGraph, CrewAI, FastAPI, Flask, React.js, Node.js, pandas, NumPy, Matplotlib, Seaborn

Developer Tools & Platforms: Git, Docker, Linux, VS Code, PyCharm, Streamlit, Supabase, Postman, Jupyter Notebook, Google Colab

Databases: PostgreSQL, SQLite