Ojomideju Adejo

+2347016035694 | ojomideju2003@gmail.com | linkedin.com/in/deju-adejo | github.com/DejusDevspace

EDUCATION

Bowen University, Iwo — Osun State, Nigeria
B. Eng. Mechatronics Engineering — *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
virtualousPRO — *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 Executive Election Website / *React.js, Node.js, Tailwindcss, PostgreSQL, Vercel, Render* — April 2025
- Developed a secure, full-stack web application to facilitate student voting during the Bowen Association of Engineering Students (BAES) executive elections for the 2025/2026 session.
- Implemented authentication and authorization using jwt to ensure only eligible students could vote, maintaining election integrity.
- Designed a responsive, intuitive frontend with real-time vote polls for enhanced user engagement.

Learning Assistant Chatbot / *Python, LangChain, Groq API, Streamlit* — August 2024
- Built a chatbot using LangChain and Streamlit to assist my academic learning.
- Added features including note upload and YouTube video summary.
- Integrated semantic routing to handle multiple tasks like Q&A, summarization, and contextual document chat.

Beans Disease Detection Model / *Python, TensorFlow, Keras, Flask, JavaScript* — 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 to ensure high data quality and improve model performance.
- Achieved over 90% accuracy on the training and test sets.
- Deployed CNN model via a Flask API and integrated to a simple web interface 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