

Education

Abiola Ajimobi Technical University, Ibadan | Ibadan, Oyo State

Bachelor of Science in Electrical Engineering (Expected Graduation: 2027)

Relevant Coursework

Software Development: Object-Oriented Programming, Database Management, Web Development

Data Science & Engineering Tools: MATLAB, Anaconda, Machine Learning Basics

Embedded Systems: Microcontrollers, Circuit Design, Embedded C Programming

Power Systems & Electronics: Digital Electronics, Signal Processing, Circuit Analysis

Skills

Programming Languages: Python, JavaScript, C (Embedded Systems)

Backend Development: Django, FastAPI

Frontend Technologies: HTML, CSS, JavaScript

Database Management: PostgreSQL, SQLite

Embedded Systems: Arduino, Microcontroller Programming

Tools & Technologies: GitHub, REST API Development, MATLAB, Anaconda

Experience

SWEP Internship | First Technical University, Ibadan | Aug 2023 – Sept 2023

Intern – Electrical Engineering & Software Development

Data Science: Learned and applied Python with Anaconda for data analysis and visualization.

MATLAB Proficiency: Performed simulations and modeling for engineering problems.

Hardware Projects:

Manufactured an Electrical Extension: Designed and assembled an extension socket with custom wiring and safety features.

Built a Power Bank from Scratch: Designed the circuit, selected battery components, and implemented an enclosure using a plastic case.

Material Testing Experiment: Conducted a ductility test on 12 plastic bottles using a material testing machine. Measured and analyzed the elongation data to calculate material ductility.

Projects

Notes Web App (Django & JavaScript) | 2025

Technologies: Django, JavaScript, HTML, CSS, SQLite

Developed a full-stack web application that allows users to create, edit, and delete notes.

Implemented user authentication using Django's built-in authentication framework.

Designed a clean and responsive UI with JavaScript for an improved user experience.

Used Django Forms for structured data input and validation.

Weather App (Django & API Integration) | 2025

Technologies: Django, JavaScript, HTML, CSS, OpenWeatherMap API

Developed a weather forecasting application that fetches real-time weather data from an external API.

Implemented search functionality allowing users to check the weather of any city.

Designed a user-friendly interface displaying temperature, humidity, and weather conditions.

Optimized API requests to improve efficiency and response time.

User Authentication System (Django) | 2025

Technologies: Django, PostgreSQL

Designed and implemented secure user sign-up and login functionality.

Integrated password encryption and authentication mechanisms.

Developed a Django Admin panel for managing user data.

REST API Development (FastAPI) | 2025

Technologies: FastAPI, PostgreSQL, Docker

Created a high-performance API for handling CRUD operations.

Integrated FastAPI with a PostgreSQL database for efficient data storage and retrieval.
Developed JWT-based authentication for securing API endpoints.

Honors and Awards

New Horizons Scholarship – Awarded for academic excellence in secondary school.