

# Ayomilala Nwani

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## EDUCATION

### Pan-Atlantic University

BSc. Computer Science | CGPA: 3.78/5.00 or 3.02/4.00

Lagos, NG

Sept 2020 - Present

- **Relevant Courses:** Data Structures and Algorithms, Web Development, Database Management Systems, Software Specification and Design 1, Advanced Programming Tools and Techniques, Intro to Software Engineering and Development, Operating Systems

## SKILLS

**Languages:** Python, Java, JavaScript, C++, SQL, HTML

**Frameworks & Tools:** SQL, React, Node.js, Express.js, Git, RESTful APIs, CI/CD pipelines, Firebase

## EXPERIENCE

### Software Developer Intern

Jul 2023 - Oct 2023

*Motorways Center*

Lagos, NG

- Developed and maintained software applications using Java and Python, improving system efficiency by 18%.
- Collaborated in an Agile environment, participating in daily stand-ups and sprint planning meetings.
- Implemented continuous integration and deployment (CI/CD) practices, reducing deployment time by 25%.

### Network Security Engineer Intern

Jul 2021 - Oct 2021

*Ecobank Headquarters*

Lagos, NG

- Gained hands-on experience with Linux/Unix systems, performing system administration tasks.
- Assisted in implementing security protocols and conducting vulnerability assessments.
- Developed scripts in Python to automate routine network monitoring tasks.

## RECENT PROJECTS

### Pantry Tracker Pro | [GitHub](#)

July 2024

*Next.js, Firebase, Material-UI, Gemini 1.5, Vercel*

- Developed a Next.js app for efficient pantry inventory management, featuring real-time updates with Firebase.
- Designed a sleek and user-friendly interface using Material-UI, ensuring easy navigation and item tracking.
- Integrated Gemini to provide recipe suggestions based on available pantry items, enhancing user engagement.
- Simplified kitchen organization by enabling users to efficiently track and manage pantry inventory.

### Support Chat | [GitHub](#)

August 2024

*Gemini 1.5, RAG, AWS EC2, Material UI, Next.JS*

- Developed a customer support chat application using the Gemini API to process user prompts and provide accurate responses.
- Deployed the application on an AWS EC2 server, ensuring scalability and reliability.
- Implemented a Retrieval-Augmented Generation (RAG) model to enhance the quality and relevance of responses.
- Integrated a feedback mechanism to collect user ratings and improve the support experience based on user feedback.

### NaijaNutriTrack | [GitHub](#)

March 2023 - July 2023

*React Native, TensorFlow, Flask, Firebase*

- Developed a cross-platform mobile app using React Native, integrated with Firebase for real-time data management.
- Implemented a machine learning model using TensorFlow for food detection, deployed using Gradio on Hugging Face Space.
- Created a RESTful API using Flask to facilitate communication between the React Native app and the deployed model.
- Enhanced user experience by providing accurate nutritional content based on food detection results.

### SILMS (Student Information Learning Management System) | [GitHub](#)

December 2023 - February 2024

*Backend developer*

- Led backend development using NestJS to set up API endpoints for project modules including courses, assignments, and grades.
- Improved server response efficiency by 20% through optimized API endpoint configurations.
- Implemented comprehensive testing strategies, writing over 200 automated tests to ensure system reliability.
- Utilized Git for version control and collaborated with team members using pull requests and code reviews.