Maria Faustina Osuji

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EDUCATION

Pan-Atlantic University, B.S. in Computer Science, *December 2026*
Relevant Coursework: Data Structures & Algorithms, Data Management, Computer Programming I &II, Intro to Cybersecurity
Member: PAU Women in STEM, Rewriting the Code

TECHNICAL SKILLS

Programming Languages: C++, Python, SQL, HTML, CSS, JavaScript , Java
Frameworks & Tools: React, Flask, PgAdmin, MySQL, OpenCV, NumPy, Pandas, Stream lit, Apache NetBeans

WORK EXPERIENCES

Wootlab Innovations **Abuja, NG**
Software Engineering Intern | JavaScript, Python, HTML, CSS, AI, APIs, Git *July 2024 - Sept 2024*

- Developed a chatbot for Wootlab Innovations' website using the Gemini AI API. Applied domain-specific knowledge to ensure the AI answered only company-related questions and provided assistance to website visitors.
- Duties included testing, debugging, and implementing security protocols to improve application performance and security.

PROJECTS

Staff Management system | Java, Apache NetBeans, OpenCV, SQL, SQL API connector *June 2025*

- Developed a biometric-based desktop application for Pan-Atlantic University to manage staff attendance and shift schedules across multiple units using Java, MySQL, and fingerprint authentication. The system features secure role-based access, real-time attendance tracking with lateness detection, shift swap approvals, and automated email notifications.

Climate Change Data Analysis Project | Excel, Regressions, Microsoft apps and OneDrive *May 2025 – June 2025*

- Prepared and analyzed structured climate change data for 5 African countries, including CO2 emissions, greenhouse gases, population, and energy consumption.
- Built regression models comparing emissions with population and energy consumption variables.
- Developed forecasts for CO2 and greenhouse gas emissions through 2050.
- Visualized relationships between variables using Excel charts to extract meaningful climate impact insights.

Face-recognition with Python| Python, OpenCV, NumPy, face_recognition library *February 2025*

- Deve loped a face-recognition system using OpenCV, NumPy, and the face_recognition library from dlib. Achieved high accuracy in identifying and verifying faces, showcasing skills in machine learning and computer vision.

LEADERSHIP

Student Organization Name **Lagos, NG**
Head Editor of PAU chaplaincy bulletin committee *June 2025 – Present*

- As Head of the Bulletin Editing Committee, I lead the creation and design of digital bulletins for church members, ensuring content is accurate, visually engaging, and delivered on time for weekly services and special events.