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Github Link: [emmex43 \(Akhabue Ehime Emmanuel \)](https://github.com/emmex43)

PERSONAL STATEMENT

Ambitious, detail-oriented and fast-learning **software developer** with strong foundations in Python, algorithms, data analysis, and mathematical problem-solving. Passionate about building digital solutions and applying machine-learning and engineering principles to real-world problems.

TECHNICAL SKILLS

Programming Languages: Python, JavaScript (Basic), SQL

Tools & Frameworks: Flask, Streamlit, NumPy, Pandas, Git/GitHub, AutoCAD

Developer Skills: REST APIs, version control, data structures, problem-solving

Software: Microsoft Office Suite, Excel .

Laboratory Skills: Filtration, titration

Research Areas: Machine Learning & Artificial Intelligence (beginner level)

PROJECTS

SEEWASolar Energy Savings Web App (2025).

Project Link: <https://seewa-solar-platform-1.onrender.com>

- Built a solar-feasibility calculator using **Python(Flask)**.
- Implemented algorithms for load analysis, energy savings estimation, and cost optimization.
- Designed clean UI and deployed prototype to showcase renewable-energy awareness.
- Deployed the app using Render.com

Streamlit library to deploy ML projects (2025)

Project Link: [Machine-learning-fantasy/chemical_yield.py at main · emmex43/Machine-learning-fantasy](https://github.com/emmex43/Machine-learning-fantasy).

- Added step-by-step logic explanation to promote mathematics literacy for ML beginners.
- Shared project results with LinkedIn audience to demonstrate the role of mathematics in machine learning.

Cab System Management App — Hackathon Project (2025)

Project Link: <https://uniben-mobility-app.onrender.com>

- Participated in a campus/tech-community hackathon to design a **Cab Booking & Management System**.
- Collaborated with a small team to build backend logic using **Python and Flask**, including user authentication, ride requests, driver matching, and fare estimation logic.
- Implemented basic API endpoints for booking, ride status tracking, and trip history.
- Strengthened teamwork, rapid problem-solving, and agile development under time pressure.

EDUCATION

University of Benin, Edo State

- Bachelor of Engineering — **Chemical Engineering**
Expected Graduation: **June 2028**
- **Power Learn Project , Kenya.**
Software development (4 months).
Graduation: December 5th, 2025.
- Great Triumphant Model School, Ota, Ogun State **(2016 – 2022)**.
West Africa Examination Council, 2022.
Senior Boy (2022).
- Blessed Flourish Land Nursery & Primary School
First Leaving Certificate, 2008–2015.

RELEVANT COURSEWORK

- Fluid Mechanics
- Material & Energy Balances
- Thermodynamics
- Statistics & Core Mathematics

CERTIFICATIONS

- Introduction to Modern AI — **Cisco Academy**, 2025
- Learning How to Learn — **MTN Academy**, 2025
- Introduction to Machine Learning & Applications — **NIPES**, 2025

LEADERSHIP & VOLUNTEERING

Cowrywise Campus Ambassador (2024–Present)

AICHE UNIBEN — Student Member (2024–Present)

NSCHE UNIBEN — Student Member (2024–Present)

NIPES UNIBEN — Student Member (2024–Present)

Society of Lifers Engineers (DLCF)

WORK EXPERIENCE

Mathematics Teacher

Dominion Brain Academy, Lianbest College, Ota — (2022–2023)

- Taught senior-level mathematics and improved student performance through personalized lesson methods.
- Introduced basic coding concepts to motivate STEM interest.
- Organized assessments, solved exercises, and prepared students for external exams.

LANGUAGES

- English (Fluent)
- Yoruba (Fluent)

HOBBIES

Programming, reading, problem-solving, football.