

Ethan Olowo

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Objective

Information Technology student from Strathmore University awaiting graduation with a strong academic record and demonstrated leadership in technology initiatives. A proactive problem-solver with experience in full-stack development, data science, and AI, eager to leverage technical expertise and a multicultural perspective to contribute to innovative projects and drive organizational value in a dynamic professional environment.

Technical Skills

- **Programming & Development:** Python, C#, Flutter, FastAPI, Flask, ReactJS, Laravel
- **Data:** Data Analysis (Python, R), Power BI
- **AI:** Machine Learning (Scikit-learn), Deep Learning (Tensorflow, PyTorch)
- **Databases:** MySQL, SQL Server, Supabase, Firebase
- **Cloud & Tools:** AWS (Foundations), Git, REST APIs, MVC Architecture

Education

CESI Graduate School of Engineering, France – *Exchange Program* 2026

- Specialization: Data Science and Artificial Intelligence
- Selected (Top 4 Students)

Strathmore University, Kenya – *Bachelor of Business Information Technology* 2022 – 2026

- First Class Honors
- Specialization: Business Intelligence
- Dean's List Award for Academic Excellence (2023, 2024, 2025)

Aga Khan High School, Uganda – *IB Diploma Programme* 2020 – 2022

- Final Grade: 36/45
- IB Top Performer (2022)

Work Experience

Pegasus Technologies, Uganda – *Application Development Intern* Jan 2025 – Mar 2025

- Developed C# web and Windows services integrated with SQL Server

- Built Flutter apps with authentication, payments, and transaction tracking
- Integrated Mobile Money APIs with validation and error handling
- Applied Clean Architecture to improve scalability

Kawempe Home Care, Uganda – Volunteer

Jan 2024 – Mar 2024

- Supported home-based care delivery for vulnerable patients.
- Organized health education outreach and HIV/AIDS awareness initiatives.

Key Projects

EduPath – AI Career Recommendation Platform

- Built ML-based recommendation engine using Sentence Transformers for semantic matching
- Developed backend with FastAPI and integrated SQL database (Supabase)
- Enabled real-time personalized career insights

Pesalink Hackathon – Fraud Detection Model (2nd Runner Up)

- Developed ML model to detect fraudulent accounts in fintech datasets
- Performed feature engineering and data analysis to improve detection accuracy

OpenDosimeter (IoT Health Monitoring)

- Led development of radiation monitoring system with real-time Bluetooth data transmission
- Improved system scalability and maintainability through code refactoring

Leadership & Extracurriculars

- **Coding Lead**, Strathmore University OpenDosimeter (2024 – 2025)
- **Male Captain**, Strathmore University Swimming Team (2024 – 2025)
- **Member**, Google Student Developer Club – Strathmore (2022 – 2025)
- **Captain**, National Mathmania Team – British School of Kampala (2018 – 2019)

Certifications, Hackathons & Workshops

- **Data Science Essentials With Python** – Cisco (2026)
- **Starts of Innovation US-Kenya AI Challenge** (2025 – 2026)
- **WIOCC Network Services Workshop** (2025)
- **Cloud Foundations** – AWS Academy Graduate (2025)
- **Generative AI Foundations** – AWS Academy Graduate (2025)
- **Pesalink Fintech AI Hackathon** (2025)
- **Stanford-KEBS-SCES Dosimetry Workshop** (2024)
- **Data Fundamentals** – IBM (2024)
- **AI Fundamentals** – IBM (2024)
- **Oracle Academy SSA Bootcamp** – Oracle (2024)
- **Battery Innovation Challenge** – Enactus Kenya & Schneider Electric (2024)

Referees

Referees available upon request.