

## **Aaron Ngure Ndungu**

Nairobi, Kenya

+254796450208

aaronndungu14@gmail.com

[www.linkedin.com/in/aaron-ndungu](http://www.linkedin.com/in/aaron-ndungu)

## **PROFILE SUMMARY**

Aaron Ndungu is a detail-oriented Data & Platform Engineering enthusiast with hands-on experience in software development, data analysis, and IT systems. Currently an Intern in the Tech Lead Apps department at Safaricom PLC, gaining exposure to enterprise-scale platforms, agile development, and engineering processes. Strong foundation in Python, SQL, data pipelines, analytics tools, and cloud concepts. Passionate about building scalable data solutions, automating workflows, and enabling data-driven decision-making. Seeking a role as a Big Data Platform Analytics Engineer to contribute to Safaricom's data platforms and analytics initiatives.

## **Education**

### **Bachelor of Science in Information Technology**

Mount Kenya University, Thika, Kenya

Graduation: December, 2025

- Relevant coursework: Data Structures, Algorithms, Database Management, Machine Learning, Data Mining, Statistics, Operating Systems

## **Technical Skills**

- **Programming:** Python, Java, SQL, C, C++
- **Big Data & Data Processing:** Apache Spark (PySpark), ETL workflows
- **Databases:** MySQL, PostgreSQL, SQL Server
- **Analytics & Visualization:** Pandas, NumPy, Matplotlib, Power BI
- **Cloud & DevOps (beginner):** AWS S3, Docker, Git
- **Tools:** Jupyter Notebook, VS Code, GitHub, Excel

- **Operating Systems:** Windows, Linux (Ubuntu)

## PROFESSIONAL EXPERIENCE

### Safaricom PLC — Intern, Technology Cluster

November 2025 – Present

- Currently working in the **Tech Lead Apps Department**, contributing to software and platform development activities.
- Learning the **fundamentals of application development**, including coding best practices, documentation, and system workflows.
- Collaborating within a **cross-functional squad using AGILE methodology**, enhancing teamwork, communication, and sprint-based execution.
- Gaining exposure to enterprise-scale systems, DevOps culture, and structured development processes used across Safaricom.
- Strengthening skills in problem-solving, debugging, and understanding how large teams build and maintain critical digital products.

### Mount Kenya Distributors — IT Attachment Trainee

May 2025 - July 2025

I completed a 3-month industrial attachment supporting the IT department in daily operations, system maintenance and data handling tasks. Below are some of the roles I helped with:

- Supported the IT department in day-to-day system maintenance, troubleshooting hardware/software issues, and ensuring smooth business operations.

- Assisted in managing the company's inventory and sales data systems, strengthening skills in databases and reporting.
- Worked with SQL and Excel to clean, update, and generate periodic reports for management decision-making.
- Helped with network diagnostics, user support, and basic system administration tasks.
- Improved documentation processes for IT workflows and incident reports.

## **PROJECT EXPERIENCE**

### **Inventory Management System (Team Lead)**

Mount Kenya University, July 2024 – August 2024

- Led a team of 5 to design a Java-based Inventory Management System with integrated database operations.
- Implemented modules for stock level alerts, supplier management, and sales tracking.
- Coordinated system architecture, task delegation, and documentation.
- Presented the project to faculty and received commendation for functionality and teamwork.

### **Legal Assistant System (AI-Driven Research Tool Proposal)**

Mount Kenya University | June 2024 – August 2024

- Co-authored a proposal for an intelligent legal assistant platform leveraging NLP for document search.

- Developed methodology involving data ingestion, classification, and information retrieval.
- Delivered literature review and system architecture outline; proposal approved for further development.
- Developed and delivered the system for my school project.

## **Certifications**

- **Data Science Professional Certificate — ALX**  
(Machine learning, SQL, data analytics, Python, cloud basics)

## **Extracurricular Activities**

- Member, Data Science Club, [Mount Kenya University]