

# SAMUEL KOGI WACHIRA

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[Portfolio](#)

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## PROFILE

Mathematics & Computer Science final year student with practical experience in cloud development from pursuing projects with cloud-based technologies such as AWS and version control using GitHub (certified by GitHub Foundations). I led a research project with five collaborators, an experience that developed my leadership, decision-making, sustainable practices and collaborative skills while reinforcing my drive for both personal and professional growth.

## EDUCATION

**Multimedia University of Kenya**- Nairobi, Kenya

Sep.2021- Oct.2025

Bachelor of Science (BSc.) in Mathematics & Computer Science

Coursework undertaken includes but not limited to:

Systems Analysis & Design; Data Structures & Algorithms; Probability & Statistics; Object Oriented Programming in Java; Database Systems

**Research Thesis:** Evaluation of Domestic Electricity in relation to Hydroelectric Energy & Rainfall using Matrix Completion method in Kenya

## PROJECTS

- Developed and deployed Dragons, a serverless Java WebApp with Amazon Web Services (AWS). Fulfilled all pillars of a well-architected framework.
- Built Pala, a logistics CRM with Django, MySQL & Terraform with AWS. Responsible for Django implementation & Infrastructure-as-Cloud (IaC) provisioning.
- Developed a 2-tier Movie API Spring Boot Java app with MongoDB.
- Modelling an ML project to predict the next trending artist on a music streaming platform with Amazon Sagemaker-DataWrangler.

## SKILLS & CERTIFICATIONS

- Certified Cloud Practitioner, Amazon Web Services (AWS), June 2022 (expires January 2028).
- Version control, GitHub Foundations certified, June 2025 (expires June 2028).
- Backend programming languages such as Java and Python.
- Building RESTful APIs & deploying serverless architectures.
- Django & Spring Boot Frameworks.
- Fluent in business conversational English.