

KABUNGA CHARLES

SOFTWARE DEVELOPER
& NETWORK SECURITY LEARNER

CONTACT

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EDUCATION

BSc. Computer Science

Mbarara University of Science and Technology
Expected Graduation: 2028
CGPA: 4.6

Coursework: Advanced Data Structures & Algorithms, Network Security, Database Management Systems, Operating Systems, Linear Algebra for AI.

TECHNICAL SKILLS

Languages & Frameworks

Python, JavaScript, Dart, Flutter, FastAPI, Node.js, HTML, CSS

Databases & Tools

PostgreSQL, MySQL, Firebase, Relational DB Design, SQL Optimization

Backend & Security

RESTful APIs, Systems Integration, Network Defense (Cisco), Cryptography Basics, Linux (Mint/Bash)

Version Control

Git, GitHub

Core CS Foundations

Data Structures & Algorithms, Dynamic Programming, OOP, AI Integration Basics

CERTIFICATIONS

Network Defense Course

Cisco Networking Academy — In Progress

Introduction to Cybersecurity

Cisco Networking Academy — Completed

Backend Development Certificate

Betechified — Completed

Python Programming Certificate

MUST Programming Bootcamp, Matplotlib Cohort — Completed

Blockchain Certificate

Cyfrin Updraft — Completed

PROFESSIONAL SUMMARY

Dedicated Computer Science undergraduate and practical software developer driven by continuous learning, hands-on building, and technical growth. Experienced in developing cross-platform applications, RESTful APIs, and responsive web solutions using Python, Flutter, FastAPI, and PostgreSQL. Enthusiastic about backend systems, cybersecurity, and practical AI integrations. Active project contributor and peer leader who thrives in collaborative environments and is eager to engage in technical mentorship, knowledge exchange, and real-world engineering ventures.

TECHNICAL PROJECTS

CampusNova *Flutter · Dart · FastAPI · Python · PostgreSQL · REST APIs · AI*

- Developing an AI-assisted student learning platform designed to help university peers organize study resources and query academic material.
- Implemented interactive AI query features, PDF document parsing workflows, and centralized learning resource management.
- Architected a modular backend using FastAPI and PostgreSQL, continuously refining system features toward practical deployment.

Quick Marble & Granite Management App

Flutter · Dart · Firebase · Backend Services

- Engineered a cross-platform mobile solution to digitize everyday operations for a regional materials supplier.
- Designed functional workflow modules for client records, price estimations, contract handling, user roles, and PDF summary exports.
- Programmed automated calculation logic for supply, installation, labor estimates, and tax additions to simplify complex estimation routines.

Standard Hill Website *HTML · CSS · JavaScript*

- Built a clean, fully responsive web application to establish an accessible online presence for an organization.
- Focused on straightforward visual hierarchy, cross-device layout adaptation, and seamless contact integration.

LEADERSHIP & COMMUNITY ENGAGEMENT

Student Peer Mentorship

Assist fellow computer science students in foundational programming concepts, project debugging, and academic orientation.

Developers Leader

Organize student tech discussions, coordinate group learning activities, and promote collaborative coding habits.

DeepMinds Research Lab

Active participant contributing to group research discussions and applied AI/ML learning initiatives.

Zindi Club

Active participant engaging in data science and machine learning competitions and community learning sessions.

Collaborator

Contribute to peer-led software projects, engage in group technical research, and stay open to mentorship and feedback from experienced developers.