

SHAWAL MBALIRE

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Python C++ C C-sharp JavaScript HTML CSS SQL MATLAB Arduino AHDL Git Bash LaTeX Linux

Education

Makerere University, Kampala *Feb 2022 - Jan 2026*
Bachelor of Science, Electrical Engineering. CGPA: 3.99

CodeIT Institute of Technology *Aug 2022 - Jan 2022*
Certificate in python, aws, blockchain

Run Automations and Robotics *Sep 2022 - Oct 2022*
Certificate in IOT and Embedded systems

Projects

Unity Cyber Security Game

A third person shooter based on unity engine and C-sharp to teach CyberSecurity to teenagers

Python Text to speech

A gui python project to call apis or libraries like gtts to speak out text

Python Location FInder

A python project to find location by checking the Ip address of a given device connected to the internet

Patient Database

A web application invoking an online nosql Database Dynamo Db to store patient data on cloud

IOT Attendance Monitoring

A low cost RFID attendance system for employees at a small enterprise in Uganda

Qr code students Attendance

An automated data entry system for student in universities to only print a qr code for attendance monitoring.

Student Calendar

A calendar with flutter emapsizing upcoming tests that can be updated by a class representative then shared to everyone else in the class

Hackathons

UNESCO India-Africa Hackathon

8th CAMTECH Med-Tech Hackathon

Decentralised Umoja 3 Bount Hack

Coding Contests

IEEE Extreme

Google Kickstart

Leadership

Chair IEEE Makerere University Student Branch

Sep 2022 - Sep 2023

Vice-Chair Makerere University RedCross Chapter

Sep 2022 - Sep 2023

Coordinator Makerere University RedCross Chapter

Feb 2022 - Sep 2022

Work

Shop Assistant Zenith Auto Spare Parts

Aug 2018 - Feb 2022

Other