

EUGENE MWANGI MWANIKI

Electrical and Electronics Engineering Student

I am a 4th-year Electrical and Electronics Engineering student at the University of Nairobi. I am hardworking, competitive and inquisitive.

Education

Strathmore School – 2013 – 2018 (KCPE, KCSE)

University of Nairobi – 2019 – to-date (BSc. Electrical and Electronics Engineering)

Experience

Gearbox Kenya Internship

July 2021 – September 2021

I programmed the website application and database management system of an IoT Access Control System.

I set up a Raspberry Pi to act as the main server of the system.

Android Application Development

May 2022 – to-date

I learnt to program Android Applications using Java.

I built an app to solve the Wordle Puzzle by NYTimes.

I built an app to solve the 4 pics 1 word game.

AI Development

May 2022 – to-date

I have learnt about AI and continue learning about AI.

I have built several AI models to do different tasks such as object detection, style transfer, generate entirely new images, model sequential data and read text, just to mention a few.

Technical skills

Programming in:

- C
- C++
- HTML and CSS
- Python
- Java

IoT System Development using:

- Raspberry Pi
- Arduino
- ESP8266

Android App Development.

Database Systems using:

- MySQL
- SQLite

PCB design and component soldering:

- Altium Designer

Product Design using:

- Solid Works
- AutoCAD

Domestic Wiring.

Mathematical manipulation using:

- MATLAB
- Octave

For extra information on projects, I have undertaken, and about myself, visit my portfolio on:

<https://eugenemmf.github.io/portfolio/>

Hobbies

Bicycle-riding

Soccer

Puzzle solution coding

IoT

Referees

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