

# Stephen Muiga

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## EDUCATION

### Lux Tech Academy

*Data Science*

Nairobi, KE

Sept. 2023 – Nov. 2023

### Jomo Kenyatta University of Agriculture and Technology

*Bachelor of Science in Mathematics and Computer Science, Pure Mathematics*

Kiambu, KE

Sept. 2020 – April 2024

## EXPERIENCE

### Cohort 8.0 Mentee

April 2024 – Present

*Kamilimu*

*Nairobi, KE*

- Selected as one of the 38 mentees from across 29 universities in Kenya to join the 8th cohort of mentees.
- Structured mentorship for university students pursuing tech-aligned courses in Kenya around the pillars: personal development, professional development, innovation and ICT skills, and community engagement.

### Software Developer Intern

May 2023 – Feb .2024

*Furaha Ventures Limited*

*Westlands, KE*

- Developing a progressive web application using Ionic with Angular and working with APIs
- Contributing to developing full-stack web applications using Angular, Ionic, GraphQL, and Azure while working with IoT sensors
- Design the user-interface of a progressive web application

### Avionics Intern

Sept. 2023 – Jan. 2024

*Nakuja Project | Jomo Kenyatta University of Agriculture and Technology & JICA*

*JKUAT, KE*

- Developed and tested IoT prototypes using various hardware components such as Arduino, Raspberry Pi, ESP32
- Developed a way to receive data streams from the sensors on the rockets to detect anomalies and take corrective action
- Contributed in building the third iteration of Nakuja rockets, Nakuja N-3

### Web Developer

Oct. 2023 – Nov. 2024

*Rundomlabs Digital*

*Nairobi, KE*

- Developed and maintained a website using WordPress
- Worked closely with clients to understand the site requirements and deliver on time

### Undergraduate Industrial Attachment

May. 2023 – Aug. 2023

*Nyandarua County Assembly*

*Nyandarua, KE*

- Led the transition into a paperless practice by implementing a library management system that's faster and more accurate
- Collaborated in developing a high-quality HR management system to manage the MCAs committee meetings and finances allocation

## PROJECTS

### Smart Warehousing | *Ionic, Python, Angular, PostgreSQL, REST API*

Nov. 2023 – Present

- Developing a progressive web application using Django REST framework with Angular as the frontend
- Building a hardware system using DHT22 sensors and ESP32 for tracking warehouse conditions variables

### Nakuja N-3 Rockets | *Python, Embedded systems*

Sept. 2023 – Jan. 2024

- Developed and tested IoT prototypes using various hardware components such as Arduino, Raspberry Pi, ESP32
- Contributed in building the hardware of the third iteration of Nakuja rockets, Nakuja N-3

## TECHNICAL SKILLS

**Languages:** Java, Python, C/C++, SQL, JavaScript, HTML/CSS

**Frameworks:** Angular, Node.js, WordPress, Angular Material, Ionic, REST APIs

**Other Skills:** Creative writing, Technical writing