# Samson Kamau Mwangi

Goal-oriented Junior Software, Web Developer and Telecommunication and Information Engineering

📍 NAIROBI, Embakassi East, 0000, KENYA

🎓 March 31, 2002

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## SKILLS

**Frontend Web Development**
Intermediate
●●●○○
HTML, CSS, JavaScript, Bootstrap 5

**Computer Packages**
Expert
●●●●○
Microsoft Office

**Python**
Intermediate
●●○○○
OpenCV, Machine Learning

**Arduino Programming**
●●●●○
C++

## INTERESTS

IoT Learning

## LANGUAGES

**English**
Intermediate
●●●○○

**Kiswahili**
Intermediate
●●●○○

I am a self-motivated, creative software and telecommunication Engineer. skilled in designing, developing and testing multiple web-based applications incorporating a range of technologies. I have a vast experience on IoT project and use of Microcontrollers like Arduino Microcontroller.

## WORK EXPERIENCE

**Gearbox Company** (April 30, 2022 - July 31, 2022)
Attaché

While at Gearbox Company Kenya, I gained a lot of experience in Microcontroller projects and Machine Learning.
I also participate in Machine Learning project were we did Door automation using facial detection.

## EDUCATION

**Jomo Kenyatta University of Agriculture and Technology** (September 09, 2019 - September 09, 2025)
Telecommunication and Information Engineering, Telecommunication and IT Engineering

Through my years of studies, I have gained a lot of experience in Coding and IoT projects.

Telecommunication and Information Engineering

## PROJECTS

**Door Automation project.** (April 30, 2022 - August 31, 2022)
I was working on a facial recognitions project together with other Gearbox Academy members. We experimented with OpenCV haarcascades and Tensorflow CNN models. We hosted it in a raspberry pi 3b and tfLite. This project was under door automation project, with three different access methods, the matrix Keypad, RFID and the facial recognition part.

## VOLUNTEER EXPERIENCE

**GearBox** (April 30, 2022 - August 31, 2022)
Attaché

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