



Samson Kamau Mwangi

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

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March 31, 2002

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SKILLS

Frontend Web Development

Intermediate



HTML, CSS, JavaScript, Bootstrap 5

Python

Intermediate



OpenCV, Machine Learning

Computer Packages

Expert



Microsoft Office

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. (A
I was working on a facial pri
recognitions project together I
with other Gearbox Academy 30,
members. We experimented 20
with OpenCV haarcascades and 22
Tensorflow CNN models. We -
hosted it in a raspberry pi 3b Au
and tfLite. This project was gu
under door automation project, st
with three different access 31,
methods, the matrix Keypad, 20
RFID and the facial recognition 22
part.)

VOLUNTEER EXPERIENCE

GearBo x (April 30, 2022 - August 31, 2022)

Attaché

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.

<https://www.gearbox.co.ke/>