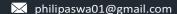
# Philip Katiechi Aswa

## Mechatronics Engineering Graduate

I am a consistent and eager mechatronics engineering graduate with knowledge in cross-platform software development (mobile, web and desktop), PCB circuit and mechanical design and development, among others. I am passionate about Python, Data Science, Machine learning and Networking.





🐧 Nairobi, Kenya

https://github.com/Katchietsnouva/

My professional website: https://philipaswa.vercel.app

#### **EDUCATION**

# **Bachelor of science in Mechatronics Engineering**

Dedan Kimathi University of technology 2nd Class Honours

04/2019 - 12/2023.

## **Kenya Certificate of Secondary Education**

Lenana School

A-

02/2015 - 11/2018.

## **Kenya Certificate of Primary Education**

Catholic Parochial Primary School A (407)

01/2007 - 10/2014.

## **WORK EXPERIENCE**

## **Embedded Systems Developer and Research**

Centre of Development of Electronic Devices

05/2023 - 12/2023.

Achievements/Tasks

- Development of microcontrollers and their software.
- Development of cross platform apps and full-stack websites.
- Implemented bug fixes and updates in software and hardware.
- Analysis of data and processing new information as required

Contact: Mr. Julius Karanja – Manager, CDED

## **Industrial Programmable Logic Control Developer**

Siemens Centre

02/2023 - 05/2023.

Achievements/Tasks

- Development of Programmable Logic Control (PLC) software.
- Development of XR (extended reality) mobile, web and desktop apps for visualising the PLC systems.
- Development of Digital Twin integration skills for robotics and conveyor systems.
- Development of Robotics Operating System (ROS2) in Linux

Contact : Prof. Eng. Jean Bosco- Director, Siemens Centre

## **Electrical and Mechanical Systems**

Maurice Auto Garage

02/2022 - 05/2022.

+254759 924 037

in https://www.linkedin.com/in/philip-aswa-8495b2225/

Achievements/Tasks

- Operation development and maintenance in automobile
- Computerised vehicle problem analysis
- Engine and system analysis

Contact: Mr. Maurice- Manager, Maurice Autogarage

## **VOLUNTEER EXPERIENCE**

#### **Microsoft Game of Learners Junior Program Trainer**

10/2022 - 11/2023.

Microsoft Students Community

#### **Machine Learning Student Trainer**

01/2023 - 11/2023.

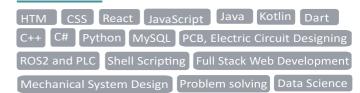
Google Techies' Student Community

#### **Event Planning and Mentorship**

05/2023 - 11/2023.

Youth Hub

## **SKILLS**



More of my projects in

https://philipaswa.vercel.app/projects

## **CERTIFICATES**

## **Industrio 4.0 Mechatronics System Designer**

08/2023

2nd Runners-up award Certificate of Achievement from international WorldSkills Competition 2023 edition, Siemens Industrial Automation.

## **I2B Business Plan certificate**

09/2023

2nd Runners-up in the Idea to business competition 2023 edition.

#### **Amazon Cloud services Certificate**

09/2022.

Certified Amazon Cloud services student (DevTown) in 2022.

## **LANGUAGES**

English
Full Professional Proficiency

Kiswahili Full Professional Proficiency