



## DONATUS OMONDI

ELECTRICAL AND  
ELECTRONICS  
ENGINEERING STUDENT

### CONTACT INFO

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Github  
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Nairobi, Kenya

### EDUCATION

2019 - May 2024\*  
Bachelor's Degree Electrical and  
Electronics Engineering  
University of Nairobi

2015 - 2018  
Maranda High School  
Grade: A-

2007 - 2014  
St. Hannahs Preparatory School  
Grade: A

2023 - June 2024\*  
ALX Software Engineering

### LANGUAGES

English  
Swahili

### REFEREE

oscaror@uonbi.ac.ke

## PROFILE

I am an Electrical and Electronics Engineering student passionate and practical about Programming, Electronics and Embedded Systems.

## EXPERIENCE

- JUNE 2023 - PRESENT** **STUDENT ON ATTACHMENT EMBEDDED SYSTEMS ENGINEER**  
**Geviton Enterprises Ltd.** Involved in development of hardware solutions. Responsibilities include pcb assembly in SMT line, assembly of final product in enclosures, firmware development using stm32, esp32 and Raspberry Pi Pico W
- AUG 2022 - MAY 2023** **STUDENT ON ATTACHMENT ELECTRICAL LEAD**  
**Tafiti Nanosatellite** Development of the pcb design of the ADCS Subsystem of the KSA-funded Tafiti 3U CubeSat
- JUN 2022 - AUG 2022** **STUDENT ON ATTACHMENT**  
**Gearbox** Created a **flask server** running on a raspberry pi on the local area network to handle user registration and image uploads. These images were used to train the AI module for face recognition access

## OTHER WORK

- FEB 2023**  
**Battery Charge Control** Used Raspberry Pi Pico W to **automate charging** of a laptop through sub-net requests to flask server running in laptop to protect remote devices. Link:
- SEPT 2021 - AUG 2021**  
**Fulfilment & Expense Track** Created a **web application** to track deliveries, partial payments by customers to deliveries, expenses incurred by business and business intertransactions using Python, Flask and Javascript. This is currently being used by 3 businesses
- JULY 2021**  
**Flask-dt python package** Published a package to PYPI to **dynamically display table records** on user defined routes.

## LICENSES & AWARDS

- AUG 2022**  
**HCIA Datacom** Huawei Certified ICT Associate Certificate
- SEPT 2022**  
**Student Award** Awarded best Male 2nd Year Electrical and Electronic Engineering Student for the year 2020 - 2021

## PROFESSIONAL SKILLS

PYTHON	<div><div></div></div>
FLASK	<div><div></div></div>
JAVASCRIPT	<div><div></div></div>
HTML & CSS	<div><div></div></div>
C++	<div><div></div></div>
GIT CLI & GITHUB	<div><div></div></div>
FRITZING	<div><div></div></div>

## INTERESTS

Gaming Programming Robotics Cooking