



DONATUS OMONDI

ELECTRICAL AND

ELECTRONICS

ENGINEERING STUDENT

CONTACT INFO

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dona.omondi@gmail.com

Github

LinkedIn

Nairobi, Kenya

EDUCATION

2019 - Present
Bachelor's Degree Electrical and
Electronics Engineering
University of Nairobi

2015 - 2019
Maranda High School
Grade: A-

2007 - 2014
St. Hannahs Preparatory School
Grade: A

LANGUAGES

English

Swahili

REFEREE

oscaror@uonbi.ac.ke

PROFILE

I am an Electrical and Electronics Engineering student passionate and practical about ICT, 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 and esp32

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 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

FLASK

JAVASCRIPT

HTML & CSS

C++

GIT CLI & GITHUB

FRITZING

INTERESTS

Gaming

Programming

Robotics

Cooking