**Collins Bett**

**Magadi Rd, Nairobi, 15653-00503**

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**+254790250147**

**SKILLS**

Power Electronics, CAN Bus technology, Battery Management System, AI, Python/C++, HTML/CSS, MS Excel

**WORK EXPERIENCE**

**Junior Electrical Engineer-Intern, Arc Ride Global Limited, Nairobi, Kenya, Aug 2023- Jan 2024**

* Conducted research and collaborated with a team to troubleshoot faulty ECUs hence improving efficiency and runtime of electric motorbikes.
* Developed Standard Operating Procedures (SOPs) to troubleshoot ECUs, faulty Lithium-ion batteries resulting in USD500 saved on each battery.
* Performed electric motorbike assembly and dual-battery operation tests of the bikes to improve efficiency and range capability by an additional 50% per km.

**Electrical Engineer-Intern, Multimedia University of Kenya, Nairobi, Kenya, Aug 2022- Dec 2022**

* Gained experience with various types of electronic test equipment, power and distribution equipment, mechanical machines, pneumatic and robotic systems, PLCs and operation of analogue/digital electronics.
* Worked in teams to design and implement a domestic wiring project for a house on an electrical prototype board.

**EDUCATION**

* **Bachelor of Science: Electrical and Telecommunication Engineering**, Multimedia University of Kenya, Nairobi, Kenya, Sep 2019 - Present
* Certificate: **Information Technology Support**, Coursera, June 2022- Aug 2022
* **Microsoft Azure AI Fundamentals**- Jan 2024

**VOLUNTEER**

**IEEE Volunteer**, Institute of Electrical and Electronics Engineers (IEEE), June 2023- Present

* Responsible for planning, organizing and participating in successful events such as high-school mentorship sessions, student paper contests, coding competitions and team-building activities.
* Partnered with global IEEE members to organize a global Entrepreneurship Summit where I was tasked with co-leading the technical program team.

**PROJECTS AND ACCOMPLISHMENTS**

* **Artificial Visual Aid for the Blind**- Designed a wearable gadget that uses AI/ML for object detection of the environment and guides a visually impaired person navigate their environment.
* Worked in a team to write a **research project technical paper** titled "Leveraging Electrical Motorcycles for Sustainable Deliveries and Navigation in Kenya" which emerged a winner in our local inter-university IEEE Student Paper Competition.
* **HydrauSol**- Collaborated to design a mobile, hydraulic powered solar structure system to supplement battery swap station power supply by improving sustainability by 50% reduced grid dependency.