GITHINJI ISAAC HAMISI

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EDUCATION

Mangu High School   2018-2022

Kenya Certificate of Secondary Education   *A-*

The University of Nairobi, Nairobi, Kenya   Graduation year: 2027

Bachelor of Science in Electrical and Electronic Engineering

- **Current Status:** Fourth Year

PROFESSIONAL SUMMARY

Detail-oriented Fourth Year Electrical and Electronics Engineering student at The University of Nairobi with a solid foundation in power systems, telecommunications, control systems, and circuit design. Seeking a 3-month industrial attachment to apply technical skills and engineering solutions to real-world challenges in telecommunications and energy, while gaining practical industry experience and expanding my professional knowledge.

ACADEMIC PROJECTS & EXTRACURRICULAR

Key Academic Projects: https://hamisi00.github.io/portfolio/

- **Solar PV Feasibility Study** – Conducted load-sizing, ROI analysis, and energy savings projections for residential/commercial systems.
- **Dual-Output Power Supply** – Designed and implemented regulated 12V/6V DC supply.
- **Noise Detection System** – Built sensor-based monitoring system with microcontroller integration.
- **Residential Electrical Installation** – Executed wiring and load balancing for a 3-bedroom unit.
- **Scientific Calculator Development (C++):** Engineered a multi-functional calculator using C++.

Extracurricular Highlights

Software & Application Development: https://hamisi00.github.io/hamster-innovations/

- Developed **Church Financial Management System** for transparent fund tracking.
- Built **Property Management Platform** for rental tracking and automation.
- Currently developing a **Student Attendance Tracking System** under faculty supervision.

TECHNICAL SKILLS

Engineering Software: OCTAVE, Proteus, AutoCAD Electrical.

Programming: C++, Python, HTML/CSS, JavaScript

Hard Skills: Circuit Troubleshooting, PCB Design, Wiring & Installation, Solar PV Sizing.

Soft Skills: Analytical thinking, team collaboration, and quick adaptability to new technologies.

CERTIFICATIONS & MEMBERSHIPS

- **Student Member:** Institute of Electrical and Electronic Engineers (IEEE)
- **Certificate:** C++ Certificate.

REFEREES

Dr. Abraham M. Nyete,

Chairman,

Dept of Electrical and Information Engineering,

University of Nairobi.