Abraham Kyendwa

Electrical & Electronic Engineering Undergraduate
+254 792 193 971 | abrahamkyendwa@gmail.com
LinkedIn · GitHub
Nairobi, Kenya

SUMMARY

Electrical & Electronic Engineering final-year undergraduate student at the University of Nairobi. Passionate about EVs, circuit design, embedded systems, and software development.

EXPERIENCE

Electrical Subsystem Lead, University of Nairobi Motorsports (Sept 2025 – Present)

- I lead a 9-person team responsible for the design and integration of a Formula Student EV electrical subsystem.
- Designed safety-critical systems, including the Shutdown Circuit (SDC) and Brake System Plausibility Device (BSPD).
- Integrated the complete vehicle electrical system with the wider car infrastructure.
- Achieved 7th place in Engineering Design at Formula Student UK 2026 as a first-time competing team.

Electrical Engineering Attachee, State Department For Energy — Ministry of Energy & Petroleum, Kenya (Jun 2026 – Aug 2026)

- Supported engineers in the Directorate of Electrical Power Development through technical documentation and reporting.
- Participated in field visits to energy transmission and generation facilities across the region.
- Involved in high-level discussions on green hydrogen and microgrids with multinational stakeholders, gaining practical exposure to Kenya's power and energy sector.

Work Experience Placement, Next Technologies Limited, Nairobi (Nov 2018)

- Shadowed network engineers during setup, troubleshooting, and maintenance activities, gaining early exposure to enterprise networking operations.

EDUCATION

- **BSc Electrical & Electronic Engineering, University of Nairobi, Nairobi (2021 – Present)**
  Projected 2.1 degree

SKILLS

- **Programming Languages:** Python, C/C++, Rust, Javascript, React
- **Embedded Systems:** STM32 / ARM Cortex, Arduino, Raspberry Pi
- **Circuit Design & Simulation:** KiCad, Proteus, MATLAB
- **Mechanical CAD:** SolidWorks, Onshape

PROFESSIONAL BODIES

- **ESA (Engineering Student Association)** — Student Member since 2025. Den Head for Projects and Exhibitions (International Engineering Student Conference), Den Member (Green Tech Conference).
- **IEEE - Circuits and Systems Society (CASS)**
- **IMechE** — Student Member since 2025.

AWARDS

- **1st Place, National (Kenya)** — American Mathematics Competition (AMC 12) (2020)
- **Selected Participant** — Kenya Top 50 Basketball Camp (2019)

LANGUAGES

- **English** (Native/C2)
- **Kiswahili** (Native/C2),
- **Spanish** (Elementary/A2)

Referees available on request.