JOB MAWIRA

📍 Nairobi, Kenya   📞 0759795294   ✉ jobmawira5750@gmail.com

CAREER OBJECTIVE

I am a purpose-driven Electrical and Electronic Engineering student passionate about applying real-world technologies to solve Africa's energy and agricultural challenges. I specialize in smart energy systems, clean tech, and the intersection of engineering with artificial intelligence. Currently, I am pioneering Eco Farm Vault — a clean energy and digital solution for small-scale farmers — under Jacob's Ladder Africa. My mission is to build intelligent, efficient systems that empower communities, redefine sustainability, and shape Africa's green future.

EDUCATIONAL BACKGROUND

Technical University of Kenya

📊 Bachelor of Engineering in Electrical and Electronic Engineering

2024 – 2029

High School Education

2019 – 2023

🏅 Recognized for technical innovation, public speaking, and leadership.

TECHNICAL SKILLS

Web Development:

- HTML — semantic layouts, forms, and accessibility
- CSS — responsive design, animations, grid/flexbox
- Python — automation scripts, AI integration, prototyping

Engineering & Prototyping:

- Project development (hardware/software integration)
- Assembly & circuit design
- Thermophotovoltaic system concepts
- Biogas system design for electricity and heat

Digital Tools:

- Microsoft Office Suite
- Technical documentation & presentations
- Basic version control (Git)

SOFT SKILLS

✓ Leadership & Team Collaboration

✓ Critical Thinking & Creativity

✓ Public Speaking

✓ Resilience & Adaptability

PROJECTS

🌾 **Eco Farm Vault (Jacob's Ladder Africa)**

A clean-tech solution for farmers combining:

- AI-powered energy and storage monitoring
- Thermophotovoltaic heat-to-electricity systems
- Biogas-powered energy supply for rural schools
- A digital platform for market access and learning

🛠 Currently validating in Nairobi boarding schools with a focus on energy reliability and independence.

AWARDS & RECOGNITION

🏅 Best in Technical & Creative Arts   🎤 Excellence in Public Speaking

👑 Leadership Award — community and school initiatives

🛠 Technology in Education — innovation for learning environments