EUGINE KITE

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Electrical and Electronics (Telecommunications) Engineer-in-training with hands-on experience in network infrastructure deployment and RF communication systems. Demonstrated expertise configuring Huawei routers and switches, implementing VLAN segmentation with secure ACLs, and conducting RF spectrum analysis. Strong foundation in Python and Web programming, network protocols and real-time embedded systems development. Developed crash-detection prototypes with GSM/LoRa integration and managed telecommunications lab operations. Seeking an entry-level networking or IT role to contribute to high-performance communication infrastructure.

EDUCATION

Bachelor of Engineering, Electrical & Electronics (Telecommunications Option)
Technical University of Kenya (TUK) — Nairobi, Kenya
Expected December 2025
- Relevant Coursework: RF Systems, Digital Signal Processing, Microwave Engineering, Network Design, Antenna Theory, Multimedia Communication, Computer Programming

Bachelor of Science, Computer Science
University of the People (Online) — 2024 – Present
- Focus: Algorithms, Network Security, Database Systems, Distributed Systems

Additional activities
Gooogle UX/UI design professional certificate
Meta Professional Frontend & Backend developer certificate

EXPERIENCE

Telecommunications Lab Attachment
Technical University of Kenya, Telecommunications Laboratory (June – Aug 2024 & July – Oct 2023)
- Configured and maintained the lab network by deploying Huawei AR3200 routers and S5720 switches for VLAN segmentation with secure ACLs, and diagnosed RF impairments on broadcast links using spectrum analyzers and oscilloscopes.

KEY PROJECTS

Crash Detection & Alerting System (Final-Year Project)
Jan – June 2025
- Developed a real-time crash-detection prototype that fuses accelerometer and gyroscope data to detect impacts within 100 ms, automatically sends SMS alerts via GSM, and seamlessly switches to LoRa RF fallback when cellular service is unavailable.

Network Deployment Simulation (Academic)
Sept – Dec 2023
- Simulated a entreprise corporate network in eNSP: configured OSPF for inter-office connectivity, implemented QoS for VoIP traffic.

SKILLS

- Network Design and Protocols
- Network security and monitoring
- Wireless & RF systems
- Computer Programming & Automation
- Problem-solving
- Project management
- Critical thinking
- Troubleshooting
- Leadership