Onyango Denzel Ninga

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Objective

Enthusiastic BSc Electrical and Telecommunication Engineering student at Multimedia University of Kenya, seeking an internship opportunity at KEMSA to apply theoretical knowledge and gain hands-on experience in networking, datacom, and electronics. As a certified HCIA-Datacom Associate and an Electrical and Telecommunication engineering student , I am eager to contribute to innovative projects and gain hands-on experience.

Education

Multimedia University of Kenya *Expected Graduation: December 2027*
BSc in Electrical and Telecommunication Engineering

Certifications

Huawei Certified ICT Associate (HCIA) - Datacom *2025*
Certification covering the fundamentals of networking, routing, switching, and IP protocols.

Technical Skills

- **Networking:** TCP/IP, OSPF, VLAN, subnetting
- **Tools:** Wireshark, Huawei eNSP, MATLAB, AutoCAD
- **Programming:** C, Python, Arduino, MATLAB
- **Hardware:** Microcontrollers, PCB design basics

Projects

Smart Traffic Management System (Arduino) 2024
Developed an automated traffic signal control prototype using sensor networks and Arduino microcontrollers.

Networking and Routing Practice Labs (HCIA) 2025
Executed a wide range of networking labs using Huawei eNSP, including IPv4 addressing and routing, OSPF, Ethernet basics, VLANs, Spanning Tree, Link Aggregation, Inter-VLAN communication, ACLs, AAA, NAT, FTP, DHCP, WLAN, and IPv6 networking.
GitHub Repository: github.com/plochoidysis-ojwege/eNSP-labs

Extracurricular Activities

MMU Student Branch IEEE
Active member organizing workshops on IoT and telecommunications; mentoring junior students.

References

Kelvin Kariuki, HCIA Datacom Instructor, Multimedia University of Kenya
Relationship:HCIA datacom Instructor, Email: teacherkaris@gmail.com