

# Onyango Denzel Ninga

[denzelninga001@gmail.com](mailto:denzelninga001@gmail.com) — +254 115869524 — [linkedin.com/in/denzel-ninga-b59b50362](https://linkedin.com/in/denzel-ninga-b59b50362)  
— [github.com/plochoidysis-ojwege](https://github.com/plochoidysis-ojwege)

## Objective

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Enthusiastic BSc Electrical and Telecommunication Engineering student at Multimedia University of Kenya, seeking an internship opportunity at KEMRI to apply theoretical knowledge and gain hands-on experience in networking, datacom, and electronics. As a certified HCIA-Datcom Associate and an Electrical and Telecommunication engineering student, I am eager to contribute to innovative projects by supporting the vital technological infrastructure that underpins cutting-edge medical research and to collaborate effectively within KEMRI's dynamic team environments.

## Education

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**Multimedia University of Kenya**

*Expected Graduation: December 2027*

BSc in Electrical and Telecommunication Engineering

## Certifications

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**Huawei Certified ICT Associate (HCIA) - Datacom**

*2025*

Certification covering the fundamentals of networking, routing, switching, and IP protocols.

## Technical Skills

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

## Projects

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**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](https://github.com/plochoidysis-ojwege/eNSP-labs)

## Extracurricular Activities

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**MMU Student Branch IEEE**

Active member organizing workshops on IoT and telecommunications; mentoring junior students.

## References

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Available upon request.