

CHARLES ITA EKANEM

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Profile

Aspiring telecommunications and network engineer with hands-on experience in VoIP, network device management and cable installations. Strong foundation in computer networks, data communication and cloud computing. Passionate about core networks, fiber optics and NOC operations.

Education

Nile University of Nigeria, Abuja, Nigeria

Expected Nov 2025

Bachelor of Engineering (B.Eng) in Computer Engineering

Relevant Coursework: Computer Networks, Communication Principles, Distributed Systems, Cloud Computing, Data Communication and Networks, Computer Security, Reliability and Maintainability, Signals and Systems, Analog Electronics.

Experience

Junior Network Engineer (Intern)

Gigaxysafe Technologies – Abuja, Nigeria

Mar 2024 – Aug 2024

- Installed, configured and troubleshoot network devices (routers, switches, VoIP systems) to ensure optimal uptime.
- Supported clients with network layout design and device selection for efficiency.
- Performed structured cabling, labelling and rack organization for enterprise systems.
- Collaborated with senior engineers on network topology planning and optimization.

Projects

Setup of Network Rack and Device Configuration

Internship Project, 2024

- Installed and configured switches, routers and VoIP devices to establish enterprise-level connectivity.
- Performed cable management, labelling and rack setup for long-term maintainability.

Design and Simulation of Network Topology (Cisco Packet Tracer)

Internship Project, 2024

- Designed and simulated LAN/WAN topologies using Cisco Packet Tracer.
- Implemented IP addressing and routing protocols.
- Documented and tested performance in simulated environments.

Deepfake Detection System with CNN

2024 – 2025

- Trained InceptionResNetV1 CNN on FaceForensics++, Celeb-DF V2 and Openforensics datasets.
- Achieved 97.15% validation accuracy; authored IEEE-style paper for journal submission.

Skills & Technologies

Networking & Telecommunications: Network device configuration (Routers, Switches, VoIP), Cisco Packet Tracer, Wireshark, LAN/WAN, VLANs, IP addressing, routing protocols, structured cabling, rack setup, fiber optics fundamentals.

Programming & Scripting: Python, C/C++, MATLAB, JavaScript.

Frameworks & Tools: AWS Networking & Cloud, PyTorch, Scikit-learn, GitHub, Keil, Proteus, Arduino IDE.

Operating Systems: Windows, Raspberry Pi OS.

Certifications

- HCIA Datacom V1 – Huawei (2023)
- AWS Educate: Networking Fundamentals – Amazon Web Services (2024)
- Computer Hardware Basics – Cisco (2025)