

MUHAMMAD IZUDDIN BIN MOHD ROZI

Final-Year Computer Networks Student | CompTIA Network+ Certified

Seeking a Network Engineering Internship | Routing & Switching, Network Security, Network Automation

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PROFESSIONAL SUMMARY

Final-year Computer Networks student at Universiti Teknologi MARA, CompTIA Network+ certified, seeking a network engineering internship. Coursework and project experience spans Cisco routing and switching, VLAN design, access control, Python-based configuration automation and infrastructure monitoring. Comfortable working across the CLI, simulation environments such as EVE-NG and GNS3, and technical presentations to assessment panels. **Notable Achievement:** automated ACL deployment across three Cisco routers using Python and Netmiko.

CORE EXPERTISE

- Cisco Router & Switch Configuration
- VLAN Design, OSPF & Subnetting
- TCP/IP, LAN/WAN Troubleshooting
- Wireless Networking (BSS/ESS)
- Network Simulation (EVE-NG, GNS3)
- Site Survey (NetSpot, Acrylic Wi-Fi)
- Network Automation (Python, Netmiko)
- Firewall & Access Control (ACL)
- Infrastructure Monitoring (Zabbix, SNMP)
- Traffic Analysis (Wireshark, Nmap)
- Linux & Windows Server Administration
- Active Directory, DHCP, DNS

NOTABLE ACHIEVEMENTS

- Automated Access Control List deployment across three Cisco routers over SSH using Python and Netmiko, enforcing least-privilege access between six departmental subnets and passing all eight validation scenarios with zero syntax errors.
- Designed a segmented VLAN redesign proposal for a campus network, projecting a 60 percent reduction in broadcast traffic, and presented it to an academic assessment panel.
- Built a Python digital forensics tool that detected steganographic payloads in test images with risk scores up to 100 and extracted the hidden message in full, backed by SHA-256 chain-of-custody logging.
- Earned CompTIA Network+ (N10-009) and completed CCNA: Enterprise Networking, Security and Automation while studying full time.

WORK EXPERIENCE

Web Developer Intern, Heblun Sdn Bhd

Sep 2023 - Mar 2024

- Built the landing page for the Rezeki Infaq platform and integrated a payment gateway enabling secure online transactions.

KEY PROJECTS

Network Configuration Automation - ACL Deployment

Python, Netmiko, GNS3

- Deployed ACLs to three Cisco routers over SSH, enforcing least-privilege policy across HR, IT, Operator, Sales, Server and Guest subnets; validated with ping and HTTP testing.

Campus Network Redesign Proposal - FSKM, UiTM Jasin

Cisco, VLAN, OSPF

- Produced a hierarchical Core, Distribution and Access design with physical and logical topologies, wireless coverage heatmaps, technical justification and an implementation cost estimate for a new campus building.

Final Year Project - 3-Layer Hierarchical Network Security Analysis

EVE-NG

- Simulated a Core, Distribution and Access topology, assessed each layer for exploitable vulnerabilities and proposed layered mitigation measures.

Network Monitoring Dashboard

Zabbix, SNMP, Grafana

- Polled routers and switches via SNMP to track uptime, latency and bandwidth in real time, surfaced through Grafana dashboards for proactive fault detection.

EDUCATION

Bachelor of Computer Science (Hons) Computer Networks

Oct 2024 - Expected Dec 2026

Universiti Teknologi MARA (UiTM), Melaka Branch, Jasin Campus | CGPA: 3.34

Diploma in Computer Science

2021 - 2024

Universiti Teknologi MARA (UiTM) | CGPA: 3.23

MUET: Band 3 | Languages: Bahasa Malaysia, English

CERTIFICATIONS

- CompTIA Network+ (N10-009), CompTIA, February 2026 - February 2029
- CCNA: Enterprise Networking, Security and Automation, Cisco Networking Academy, February 2026
- CCNA: Introduction to Networks, Cisco Networking Academy, March 2025
- Introduction to IoT and Digital Transformation, Cisco Networking Academy, May 2025
- CCNA full certification, Cisco, in progress, expected January 2027
- Planned: CCNP (Cisco), Fortinet Certified Professional, Ruijie Certified Network Associate