

MUHAMMAD HANIF AL AUFA

Entry-Level Network Engineer | MikroTik & Cisco Certified

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PROFESSIONAL SUMMARY

Network Engineering student with a strong foundation in installing, configuring, and troubleshooting MikroTik and Cisco-based networks, backed by four industry certifications (MTCNA, MTCRE, and two Cisco CCNA modules). Hands-on experience deploying and maintaining networks in real production environments, covering router configuration, access point setup, DHCP, NAT, and firewall. Comfortable working both independently and in teams. Seeking a Network Engineer or IT Staff role to apply hands-on skills in a production network environment.

CERTIFICATIONS

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|--|-------------|
| • MikroTik Certified Network Associate (MTCNA) | 2025 - 2028 |
| • MikroTik Certified Routing Engineer (MTCRE) | 2025 - 2028 |
| • Cisco CCNA: Switching, Routing, and Wireless Essentials (SRWE) | 2026 |
| • Cisco CCNA: Enterprise Networking, Security, and Automation (ENSA) | 2026 |

PROJECTS

Proyek Deployment RT/RW Net

2025

Real-World Network Deployment

- Designed and deployed RT/RW Net infrastructure using Fiber Optic cabling as the backbone link from the ISP to the access point/router, distributing connectivity to 5 users and 5+ connected devices with stable connection throughout the subscription period.
- Configured DHCP, NAT, firewall rules, and bandwidth management policies using MikroTik RouterOS.
- Implemented network segmentation to improve the security and reliability of the shared network.
- Performed continuous monitoring and troubleshooting using Netwatch to maintain network uptime.

Technical Writer - "About MTCNA"

2025

Technical Documentation & Publishing

- Authored a comprehensive MTCNA study guide covering 10+ core MikroTik topics including networking fundamentals, routing, bridging, wireless, and firewall, for beginner-to-intermediate network practitioners.
- Structured content aligned with official MikroTik certification objectives to support independent certification preparation and practical learning.

Technical Writer - "10 SUPERLAB"

2026

Practical Lab Guide Development

- Developed 10 structured CCNA lab exercises with step-by-step configuration walkthroughs and troubleshooting scenarios, covering routing (OSPF, EIGRP), switching, VLAN, and access control.
- Documented network topologies and concepts, configurations, and verification commands for each lab.

TECHNICAL SKILLS

Networking Protocols: TCP/IP, OSPF, EIGRP, DHCP, DNS, NAT, Subnetting, VLAN, Routing & Switching, STP, ACL, Wireless

Platforms & Tools: MikroTik RouterOS, Cisco IOS, Winbox, Cisco Packet Tracer, Btop++, Wireshark, Netwatch

Configuration Areas: Inter-VLAN Routing, Dynamic Routing, DHCP Server, IP Management, Firewall Filtering

Cabling & Media: Fiber Optic Installation, UTP Cabling, Network Media Termination

EDUCATION

Diploma in Network Engineering (D4)

2025 - 2029

Polytechnic IDN Bogor

- Relevant coursework: Computer Networks, Network Infrastructure, Network Security Fundamentals, Server Administration.
- Actively pursuing professional certifications alongside academic study to demonstrate applied technical competency.