

NELOY PRAMANIK SUPTO

Network Engineer | Network Support / NOC Engineer | CCNA & MTCNA Certified

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PROFESSIONAL SUMMARY

CCNA (Cisco) and MTCNA (MikroTik) certified Computer Science and Engineering graduate with hands-on experience designing, configuring, and troubleshooting enterprise network topologies. Proficient in routing and switching, VLANs and inter-VLAN routing, OSPF multi-area routing, DHCP, NAT, ACLs, and high-availability gateways (VRRP) across Cisco and MikroTik RouterOS environments. Experienced with network simulation and emulation using EVE-NG and Cisco Packet Tracer, along with device hardening (SSH), centralized logging (Syslog), and time synchronization (NTP). Additional working knowledge of Linux, Python, and data handling.

TECHNICAL SKILLS

Routing & Switching: OSPF (multi-area), RIP, Static Routing, VLANs, Inter-VLAN Routing (Router-on-a-Stick), 802.1Q Trunking, Subnetting, RFC 1918 IP Planning

Network Services: DHCP, NAT / Source NAT (Masquerade), DNS fundamentals, Syslog, NTP

Security & High Availability: Stateful Firewall Filtering, Access Control Lists (ACL), Zero-Trust Zoning, VRRP (gateway redundancy), SSHv2 hardening

Platforms & Vendors: Cisco IOS (Router & Switch), MikroTik RouterOS v7

Simulation & Tools: EVE-NG, Cisco Packet Tracer, VirtualBox / VMware, Linux, Git/GitHub

Protocols & Concepts: TCP/IP, IPv4 addressing & subnetting, network troubleshooting, WAN/serial links

Additional: Python (scripting & data handling), SQL, basic ML/data analysis

CERTIFICATIONS

- **CCNA 200-301 — Cisco Certified Network Associate, Creative IT Institute (Grade A, 2025) — Certificate ID: CMTENA-25010205**
- **MTCNA — MikroTik Certified Network Associate, Creative IT Institute (Grade A, 2025) — Certificate ID: CMTENA-25010205**
- Networking Basics — Cisco Networking Academy (2026)
- Networking Devices and Initial Configuration — Cisco Networking Academy
- Network Support and Security — Cisco Networking Academy
- Network Defense — Cisco Networking Academy
- Linux Essentials — NDG / Linux Professional Institute

NETWORKING PROJECTS

Enterprise Multi-Branch Network with High Availability & Multi-Area Routing

MikroTik RouterOS v7, EVE-NG, OSPF, VLAN, VRRP, NAT, Firewall, Syslog, NTP · [GitHub](#)

- Designed and configured a simulated enterprise network connecting a headquarters campus to two remote branch offices over point-to-point WAN links, built entirely in EVE-NG on MikroTik RouterOS v7.
- Implemented Layer 2 segmentation with 802.1Q bridge VLAN filtering and Layer 3 inter-VLAN routing using a router-on-a-stick model across HR, Sales, IT, server, and printer subnets.
- Configured OSPFv2 multi-area routing (backbone Area 0 with stub Areas 10 and 20) for dynamic, scalable path propagation between sites.
- Deployed centralized DHCP with relay, source NAT for internet egress, and stateful firewall filter chains with ACLs to enforce zero-trust segmentation between departments.
- Built gateway high availability with VRRP (verified transparent active/standby failover in the lab), hardened management access with SSHv2, and centralized Syslog logging and NTP time synchronization.

Enterprise Network Topology Design (Cisco)

Cisco Packet Tracer, Cisco Router & Switch Configuration

- Designed and configured an enterprise-style network topology with structured IP addressing, subnetting, and VLANs.
- Implemented dynamic routing (OSPF, RIP) and performed configuration validation and network troubleshooting in a simulated environment.

EXPERIENCE

Data Engineering Associate (Data Operations & Analytics)
Red Digital Marketing Group · Part-time · Remote, Dhaka, Bangladesh

Mar 2026 – Present

- Perform data acquisition, cleaning, validation, and quality control on large structured datasets using spreadsheet-based and structured data-processing methods.
- Maintain data integrity through consistency checks and validation rules, collaborating with the team to align outputs with operational requirements.

EDUCATION

B.Sc. in Computer Science and Engineering (CSE)
Daffodil International University, Dhaka, Bangladesh · CGPA: 3.60 / 4.00

2021 – 2025

- Relevant coursework: Computer Networks, Data Communication, Information Security, Operating Systems, Big Data & IoT.

HANDS-ON LAB & CONFIGURATION EXPERIENCE

- IP addressing and subnetting, VLAN creation and 802.1Q trunking, and inter-VLAN routing on Cisco and MikroTik devices.
- Dynamic routing configuration (OSPF, RIP) and verification of neighbor relationships and convergence in simulated multi-router topologies.
- Firewall filter and NAT rule configuration, DHCP server and relay setup, and structured troubleshooting using ping, traceroute, and routing-table inspection.
- Device hardening with SSHv2, centralized Syslog collection, and NTP-based clock synchronization; basic Linux command-line administration.

ADDITIONAL TECHNICAL COMPETENCIES

- Machine Learning & Data Analysis: Python-based data preprocessing, model training, and evaluation using Pandas, scikit-learn, and TensorFlow; author of a peer-reviewed applied-ML conference paper (IDAA 2025, Atlantis Press) and several research manuscripts.
- Data Handling: SQL queries, CSV data processing, and spreadsheet-based analysis of large datasets.

ADDITIONAL INFORMATION

- Languages: Bengali (native), English (professional working proficiency), Hindi (basic).
- Presented research at an international conference (IDAA 2025); experience in technical documentation and parliamentary-style debating.