



SHUVA ROY

Network & System Enthusiast

CONTACT

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EXPERTISES

- Network Fundamentals
- Network Configuration
- Router & Switch Setup
- MikroTik Configuration (MTCNA)
- Cisco Networking (CCNA)
- IP Subnetting
- CCTV Installation & Monitoring
- SYSTEM & Server
- Network Troubleshooting

SOFT SKILLS

- Time Management
- Team Management
- Problem-solving
- Fast Learning
- Analytical thinking (Practical)

TECHNICAL SKILLS

Servers & Virtualization:

- Windows Server 2022
- Active Directory, DNS Server,
- Virtual Machines (VMware, VirtualBox, Hyper-V)

Tools & Utilities:

- Wireshark, GNS3, Cisco Packet Tracer,
- Winbox, Tera term, Putty, Remote Desktop Tools

OBJECTIVE

I am eager to start my career as a Network Engineer. I have fundamental knowledge in network setup, Cisco, MikroTik, Linux, and troubleshooting. I enjoy learning new technologies and aim to prove myself through hard work and dedication.

CORE NETWORKING SKILLS:

CCNA (Cisco Certified Network Associate):

- **Networking Basics:** OSI Model, IPv4 Address, IPv6 Address, Network Architecture.
- **Routing:**
 - Static Routing, Default-Static Routing, Floating Static Route
 - OSPF, EIGRP, BGP, HSRP, IP Route Aggregation
 - Route-Map (Policy-Based Routing), IP SLA (WAN Failover Implementation)
- **Switching:** VLAN, Inter-VLAN Routing, STP, VTP, EtherChannel.
- **Network Security:** Private & Public Key Concept, ACL, VPN, Switchport Security, DHCP snooping, Port Forwarding/NAT.
- **Protocols:** TCP/IP, DHCP, DNS, ARP, ICMP, FTP/SFTP, SSH/Telnet, HTTP/HTTPS.

MTCNA (MikroTik Certified Network Associate):

- **IP Addressing & Routing:** IPv4 addressing, Static Routing, Default Routing, PPPoE, IPsec, GRE tunnels,
- **Wireless Networking:** MikroTik Wireless setup, SSID configuration, Security

SYSTEM & SERVER MANAGEMENT:

- **Windows Server Management:** Installation, Configuration & Maintenance.
- **Active Directory (AD DS):** User/Group Management, OU Structure, Policies.
- **Group Policy Management (GPO):** Security Policies, Login Scripts, Restrictions.
- **Dell PowerEdge Server Management:** iDRAC, Hardware Monitoring, Virtual Console, Firmware Updates.
- Hands-on Experience with Dell Servers.

CCTV & IP Camera Concepts:

- Analog & IP surveillance systems, cabling, NVR/DVR setup, camera configuration, storage management, remote viewing, network planning, security & maintenance.

Basic Computer Hardware:

- PC components, assembly, BIOS setup, troubleshooting, OS installation, driver management, hardware diagnostics & replacement.

HANDS-ON PROJECTS

1. Enterprise Branch–Head Office Network Implementation (Cisco Real Devices):

- Designed and deployed a multi-site Cisco network (routers, L2/L3 switches).
- Implemented OSPF, VLSM, VLAN/Inter-VLAN routing, DHCP, EtherChannel, and port-security.

Tools Used: Cisco Router, Switch, PCs, Console Cable, Ethernet Cables, Tera Term

2. Enterprise Connectivity Setup (Cisco & MikroTik):

- Deployed a dual-vendor network (Cisco & MikroTik) for seamless workstation connectivity.
- Configured Static Routing, VLANs, NAT, and DHCP.

Tools Used: MikroTik Router, Cisco Router, Switch, PCs, Console Cable, Ethernet Cables, Tera Term, Winbox

LANGUAGES

- Bangla (Native & Fluent)
- English (Good reading, basic communication skills)

References

Md. Alamgir

Instructor, Computer Technology. at Thakurgaon Polytechnic Institute, Thakurgaon.

B.Sc in Computer Science & Engineering

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MD. MUSHFIQUR RAHMAN

M.Sc. in Information System & Security
B.Sc. in Computer Science & Engineering

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EDUCATION

DIPLOMA IN COMPUTER SCIENCE AND TECHNOLOGY

Thakurgaon Polytechnic Institute, Thakurgaon, Bangladesh

- Expected Completion: December 2025

SECONDARY SCHOOL CERTIFICATE (SSC)

Balarampur High School, Atwari, Panchagarh, Bangladesh

- Completed: December 30, 2021
- Board: BTEB
- GPA- 4.96 in the scale of 5.00

TRAINING

IT Bangladesh (September / 2025 – Present)

Diploma on "Networking & System Administration"

Website: itbangladesh.tech

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Kazipara-Dhaka 558/1, East Kazipara, Mirpur, Bangladesh 1216.

SIMULATION PROJECTS

1. Static MAC Binding & SSH Configuration (Cisco – GNS3)

Configured static MAC addresses on Cisco switches and implemented SSH secure access in a GNS3 simulation.

Project link:

- github.com/shuvacst/shuvacst.projects/tree/main/Cisco-Static-MACBinding-ssh-gns3

2. EIGRP Routing, NAT & ACL Implementation

Configured a robust GNS3 lab utilizing EIGRP for dynamic routing, PAT for secure Internet access, and ACLs for traffic filtering.

Project link:

- github.com/shuvacst/shuvacst.projects/tree/main/eigrp-nat-acl-30-10-25

3. MikroTik + Cisco Integration Lab (GNS3)

Engineered a Dual-Homed WAN solution integrating MikroTik and Cisco (GNS3), using IP SLA and Floating Static Routes for automatic failover and High Availability.

Project link:

- github.com/shuvacst/shuvacst.projects/tree/main/mikrotic-%2Bcisco-29-10-25-gns3

4. Mini Network Lab – Packet Tracer

Designed a multi-layer network (Packet Tracer) with HSRP for gateway redundancy, EtherChannel for link aggregation, and OSPF for efficient routing across multiple VLANs.

Project link:

- github.com/shuvacst/shuvacst.projects/tree/main/mini-lab-03-11-25-pkt

5. Advanced Networking Lab – Packet Tracer

multi-branch network (Packet Tracer) using Switchport Security and Extended ACLs to restrict server access, while ensuring high availability with HSRP and EIGRP.

Project link:

- github.com/shuvacst/shuvacst.projects/tree/main/networking-Lab-8-11-25-pkt