

Nabin Tiwari

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Kathmandu, Nepal

SUMMARY

Computer Science student with hands-on experience in network operations gained through a six-month ISP internship, providing technical support and troubleshooting customer connectivity issues. Skilled in Windows Server, Active Directory, Group Policy and core networking technologies including TCP/IP, DNS, DHCP, and VLANs. Proficient in diagnosing system issues, maintaining secure and reliable IT infrastructure, and ensuring the efficient operation of enterprise systems, with a solid understanding of firewalls, access control, virtualization, and IT security best practices. Backed by Cisco certifications, with a proactive approach to learning new technologies and a passion for supporting secure, reliable, and resilient IT infrastructure.

SKILLS

- **System Administration:** Windows Server 2022, Active Directory (AD DS), Group Policy (GPO), DHCP Server, Linux (User Management, Permissions, Logs)
- **Networking & Troubleshooting:** TCP/IP, OSI Model, DHCP, DNS, VLANs, Inter-VLAN Routing, OSPF Basics, Switches
- **Virtualization:** VirtualBox, Virtual Lab Environments
- **Security Basics:** Firewalls (UFW, ACLs), NAT, Network Segmentation, Port Security
- **Monitoring & Diagnostic Tools:** Wireshark, Nmap, Syslog, Snort IDS, Traffic Analysis, Log Monitoring

ACHIEVEMENTS

- **Ranked #3** in Nepal on **TryHackMe's** Monthly Leaderboard (August 2026)
- Reported an Insecure Direct Object Reference (IDOR) vulnerability affecting a **NASA** Vulnerability Disclosure Program asset through Bugcrowd.
- Participated in a college-organized Capture the Flag (**CTF**) competition, solving challenges involving web exploitation, cryptography, and digital forensics
- Solved security challenges on **picoCTF**, gaining hands-on experience in web security, cryptography

EXPERIENCE

Himalayan Online Service Pvt. Ltd.

Technical Support Intern

Kathmandu, Bagmati, Nepal

Oct 2025 – Mar 2026

- Applied OSI model-based troubleshooting to diagnose and resolve Layer 1–3 connectivity issues for ISP customers
- Configured and maintained routers and wireless network infrastructure to ensure stable internet connectivity and service availability
- Monitored network performance using diagnostic tools to detect faults and service disruptions
- Collaborated with technical teams to support ISP operations and ensure timely resolution of customer network issues

PROJECTS

Network Security Monitoring Lab (Snort IDS & UFW Firewall)

- Configured UFW firewall rules to control inbound and outbound traffic on Linux systems
- Created and tested detection rules for scanning attempts and basic network attacks
- Set up Snort IDS and tested custom detection rules to monitor network traffic for suspicious activity

Windows Server 2022 Active Directory Infrastructure (Virtual Lab)

- Deployed and configured Active Directory Domain Services (AD DS) within a virtual environment
- Managed user accounts, security groups, and Organizational Units (OUs) for centralized, role-based access control
- Provisioned a scoped DHCP server for reliable client dynamic IP assignment
- Implemented Group Policy Objects (GPOs) to enforce security baselines and system policies
- Validated client-server communication across Windows virtual machines

Network Design and Troubleshooting Lab

- Built a layered network topology (Core, Distribution, Access) in a virtual lab environment
- Implemented VLAN segmentation and ACL rules to control internal network traffic flow
- Used Wireshark and Nmap to analyze packets, troubleshoot connectivity, and identify network issues

CERTIFICATIONS

- CCNA: Enterprise Networking, Security, and Automation – Cisco Networking Academy (2026)
- CCNA: Switching, Routing & Wireless Essentials – Cisco Networking Academy (2026)
- CCNA: Introduction to Networks – Cisco Networking Academy (2025)
- Trust and Security with Google Cloud – Simplilearn SkillUp (Feb 2026)
- Introduction to the Threat Landscape 3.0 – Fortinet (2026)

EDUCATION

Texas College of Management & IT <i>Bachelor’s Degree in Computer Science (Cyber Security & Networking Technology)</i>	Kathmandu, Nepal <i>Expected Graduation: 2028</i>
Texas International College <i>Higher Secondary Education</i>	Kathmandu, Nepal <i>Mar 2022 – Jun 2024</i>