

AMAN ADHIKARI

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Career Objective

I am passionate about protecting digital landscapes and ensuring secure communications. My foundational knowledge encompasses network infrastructure, protocols, and security measures. I am prepared to bring my theoretical knowledge and practical skills to a dynamic team, contributing to the protection and optimization of your organization's digital assets. I aim to collaborate with experienced professionals, stay ahead of emerging threats, and apply cutting-edge technologies to enhance security measures.

Educational Background

- **BSc (Hons) Computer Networking & IT Security** (2023–Present)
Islington College
London Metropolitan University
- **SLC** (2019 - 2021)
Trinity International College
National Examinations Board
- **SEE** (2019)
Shree Janta Banbali MA.VI
National Examinations Board

Internship Experience

Enterprise IT Support Intern
Planet Infosys Pvt. Ltd., Kathmandu
25 Aug 2025 – 15 DEC 2025

- Installed and configured **CCTV systems** (Hikvision, ZKTeco, YOI)
- Supported **biometric, RFID, and MiFare access control systems**
- Performed **RJ45 cable crimping**, cable testing, and **basic router setup**
- Provided **software support** for Ehajiri and time management systems
- Assisted with **device resets, license renewals, and hardware troubleshooting**

- Delivered **on-site client support**, installations, and basic user training

Skills

- **Technical Skills:Networking:**

- Network configuration & addressing (IP, subnetting, DHCP, NAT/PAT, VLANs)
- Routing & switching (OSPF, STP, VTP, trunking, router/switch management)
- Security & access (AAA, ACLs, wireless LAN)
- Redundancy, recovery & troubleshooting (FHRP, password/locked router recovery, hands-on setup)
- **Programming Languages:** Python Basic
- **Tools:** Wireshark, Cisco Packet Tracer, Nmap
- **Operating Systems:** Linux, Windows
- **Installation:** CCTV, Router, Power over Ethernet (PoE) devices, Biometric attendance systems, Access control devices

Soft Skills:

- Communication
- Time Management
- Team Work

Projects

Academic Projects:

- **Smart IoT Dustbin** – Arduino C++
Built an automated dustbin using ESP32, ultrasonic sensors, servo motor, and DHT11 sensor. It opens the lid automatically when someone approaches and monitors temperature and humidity.
- **Java OOP Tutor-Lecturer-Teacher System**
Created using BlueJ with pseudocode, class diagrams, and testing. Developed three interrelated classes to demonstrate core OOP principles.
- **SYN Flood Attack Simulation** – CLI Tools
Simulated a SYN flood attack using Hping3 to flood a target with TCP requests. Monitored and analyzed network traffic in real time using Wireshark to study the impact.

Training and Certifications

- | | |
|---|--------------------------------------|
| • Introduction to Cybersecurity | – Cisco (2023) – <u>Verify Badge</u> |
| • Introduction to Networking(CCNA) | – Islington College |
| • Tryhackme | – 21+ rooms completed |

Awards / Achievements

- **Volunteer Award** –Futurama 2023, ING Skill Academy
- **Skill Ambassador** –ING Skill Academy (2023)

Others

Languages Known:

Nepali, English, Maithili, Bhojpuri, Hindi