

Ashim Nepal

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Summary

Fresh Computer Science Graduate with strong Python and Security / Networking Fundamentals focusing on building career on cyber security.

Skills

LINUX, WINDOWS, OS FUNDAMENTALS, SECURITY & NETWORKING FUNDAMENTALS, BASH, PYTHON, DJANGO, NUMPY, GIT/GITHUB

Experience (Projects)

PYTHON BASED NETWORK SCANNER TOOL

- A simple python script to scans the network and finds active hosts and ports within the local network.

NETWORK HEALTH CHECKER

- A simple python script in Linux that check whether the network is healthy by testing IP configuration, gateway reachability, internet access, and DNS resolution, and saves the results to a report.

PASSWORD STRENGTH CHECKER

- This project includes script that checks the password strength and suggests enhancements and upgrades to strengthen password. It focuses on password hygiene awareness for networking and security.

NETWORK TRAFFIC ANALYSIS REPORTING TOOL

- This simple tool counts packets, identifies DNS, HTTP, ICMP and highlights basic traffic flow.

HOSPITAL APPOINTMENT MANAGEMENT APP

- A full-stack app for booking and managing doctor appointments, health packages & tests with CRUD operations and database management built using Django and PostgreSQL.

Education

BACHELOR OF SCIENCE (HONS.) COMPUTER SCIENCE

| NOV 2022 - JUL 2025

HERALD COLLEGE KATHMANDU, UNIVERSITY OF WOLVERHAMPTON

HIGH SCHOOL (SCIENCE +2)

| SEP 2020 - AUG 2022

GLOBAL SCHOOL OF SCIENCE, NATIONAL EXAMINATION BOARD (NEB)

Certifications

- Introduction to Git and Github by Google (Coursera Certified)
- Cyber Security Fundamentals by CISCO Networking Academy (In Progress)
- Networking Basics & Cisco Packet Tracer by CISCO Networking Academy (In Progress)
- Ethical Hacker Intermediate by CISCO Networking Academy (In Progress)