

UDAY RAUT

Amritsar, Punjab

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[LinkedIn](#)

[GitHub](#)

[Portfolio](#)

B.Tech Computer Science Engineering student specializing in **Cybersecurity and Penetration Testing** with hands-on experience in vulnerability assessment, network reconnaissance, and web application security. Proficient in Linux environments and industry-standard security tools including Nmap, Burp Suite, and Wireshark. Completed 90+ practical labs on TryHackMe. Seeking an entry-level cybersecurity or penetration testing role to contribute to real-world security assessments and threat mitigation.

Education

Punjab Technical University

2023-2027

Bachelor's in Computer Science and Engineering

Amritsar, Punjab

Dhanusha Science Campus

2021-2023

Class 12th

Janakpurdham, Nepal

Skills

Technical Skills: Vulnerability Assessment, Reconnaissance, OWASP Top 10, Web Application Security, Ethical Hacking

Tools and others: Nmap, Burp Suite, Metasploit, Wireshark, Linux, Python, Git & GitHub

Soft Skills: Communication, Problem-solving, Teamwork and Quick learner.

Projects

Network Scanner — [Link](#)

- Developed a Python-based network reconnaissance tool integrating Nmap for host discovery, port scanning, service detection, and basic vulnerability identification.
- Automated scanning workflows and generated structured, readable reports for analysis.
Tech: Python, Nmap

Web Vulnerability Scanner — [Link](#)

- Built a lightweight web security scanner to detect SQL Injection and Cross-Site Scripting (XSS) vulnerabilities.
- Implemented automated crawling, payload injection, and response analysis for vulnerability detection.
Tech: Python, Requests

Password Audit Tool — [Link](#)

- Created a password auditing tool to evaluate credential strength using dictionary and brute-force techniques.
- Integrated industry tools to demonstrate risks of weak passwords in cybersecurity labs.
Tech: Python

Hacker Bytez Platform — [Link](#)

- Developed a cybersecurity learning platform featuring tutorials, tools, and curated ethical hacking resources.
- Structured content from beginner to advanced levels for offensive security education.
- Focused on usability and modern UI design.
Tech: React, Tailwind CSS

Rooms / CTF

- Completed 90+ TryHackMe rooms [Link](#)
- DVWA

Certifications

Practical hacking and pentesting course - **Udemy** [Certification](#)

Other Certifications [Certifications](#)