


# UDAY RAUT

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 [LinkedIn](#)

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I am in my third year of Computer Science with a strong interest in Penetration Testing. Familiar with Linux, networking, web application security, ethical hacking fundamentals, and common penetration testing tools. Seeking a Penetration Testing internship to gain hands-on experience.

## Education

### Punjab Technical University

2023-2027

Bachelor's in Computer Science and Engineering

Amritsar, Punjab

### Dhanusha Science Campus

2021-2023

Class 12<sup>th</sup>

Janakpurdham, Nepal

## Skills

**Technical Skills:** Linux, networking, web application security (OWASP Top 10), ethical hacking, vulnerability assessment, reconnaissance, Nmap, Burp Suite, Wireshark

**Soft Skills:** Communication, Problem-solving, Leadership, Teamwork and Quick learning

**Other Skills:** AI tools, Security research, Basic log analysis, Documentation, Git, GitHub

## Projects

### 1. Automated Network Scanner

Python-based tool that automates Nmap scanning, service detection, and basic vulnerability mapping.

**Tech:** Python, Nmap, Automation

### 2. Web Vulnerability Scanner

Lightweight scanner for detecting SQL Injection and XSS vulnerabilities in test web applications.

**Tech:** Python, Requests, Web Security

### 3. Password Audit Tool

Tool for assessing password strength using wordlists and rule-based cracking in controlled lab environments.

**Tech:** Bash, Hydra, John the Ripper

### 4. Vulnerable Lab Environment

Designed and deployed intentionally vulnerable machines for practicing exploitation and privilege escalation techniques.

**Tech:** Linux, Docker / Virtual Machines, Lab Design

## Coding Platforms

- **Try Hack Me** – 100+ rooms completed
- **Hack The Box** – 20+ rooms completed

## Certifications

- **Complete Ethical Hacking Masterclass: Go from Zero to Hero(130 Hrs) - Udemy**