

# HARIKRISHNAN VJ

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## PROFESSIONAL SUMMARY

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Cyber Security Specialist with hands-on expertise in penetration testing, vulnerability assessment, and incident response. Skilled in Linux environments, automation, and security protocols with a strong focus on risk analysis, vulnerability mitigation, and threat detection. Proven ability to lead and collaborate on complex security projects, integrating DevSecOps practices to strengthen organizational security posture. Passionate about continuous learning, digital forensics, and applying advanced security techniques to evolving cyber threats.

## SKILLS

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- **Languages:** Python, Bash
- **Operating Systems & System Administration:** Linux (Ubuntu, RedHat), Windows
- **Security & Forensics Tools:** Nmap, Nessus, Burp Suite, Wireshark, Metasploit, Hydra, FTK Imager, Autopsy, Splunk
- **Cloud Security:** AWS (IAM, S3, EC2), Azure DevOps (RBAC), Microsoft Intune
- **DevOps / Platforms:** Docker, Git, GitHub Actions, CI/CD Automation
- **Frameworks / Concepts:** OSINT, MITRE ATT&CK, OWASP Top 10, Metasploit Framework
- **Soft Skills:** Problem-solving, Adaptability, Communication, Teamwork, Prudent Decision-Making

## EDUCATION

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- **Lovely Professional University** Aug' 2022 – Present  
*B.Tech in Computer Science and Engineering (Cyber Security)* Punjab, India  
– Current CGPA: 7.4

## PROJECTS

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- **VulnScanner** Apr' 2025  
*Technologies: Python3, Docker, Git, Nmap, SearchSploit, GitHub Actions* [GH](#)
  - Built a **lightweight automated vulnerability scanner** integrated with **DevSecOps workflows**.
  - Generated detailed **scanning and reporting** inside **Docker containers** aligned with **CI/CD**.
  - Incorporated **OWASP Top 10 checks**, reducing reliance on bulky external tools.
- **SharkHunt** Apr' 2025  
*Technologies: Python3, Wireshark, Network Protocols* [GH](#)
  - Designed a **forensic CTF challenge** embedding a flag in **ICMP traffic** within **PCAP files**.
  - Simulated realistic **network protocols (ARP, DNS, HTTP, TCP, ICMP)** for **incident response practice**.
  - Showcased **forensic and investigation skills** through **protocol dissection** and **log analysis**.
- **DecodeTheLook** Mar' 2025  
*Technologies: HTML, CSS, JavaScript, Base64* [GH](#)
  - Developed a **web-based CTF challenge** where players inspect source code to decode **Base64-encoded flags**.
  - Embedded **hidden content** in **HTML, CSS** and **JavaScript** for practical security challenges.
  - Created a **beginner-friendly CTF format** to encourage participation in cybersecurity learning.

## TRAINING

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- **Summer Training**

Jun' 2024 – Jul' 2024

*Lovely Professional University*

- Completed **Red Hat System Administration (RH124 & RH134)** and earned **certification**.
- Developed **shell scripts** for **user account creation**, **disk usage monitoring**, **automated backups**, and **network configuration** (static IPs, DNS).
- Configured **firewall rules (iptables, firewalld)** to enhance **access control** and strengthen **network security**.
- Gained hands-on exposure to **Linux system hardening**, **authentication methods**, and **encryption practices**.

## CERTIFICATIONS

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- **CompTIA PenTest+**

Sep' 2025

- **CompTIA CySA+**

Aug' 2025

- **CompTIA Security+**

Feb' 2025

- **QuickHeal Certified Digital Forensic Investigator**

Jan' 2025

## ACHIEVEMENTS

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- **Top 1% Rank on TryHackMe**

Sep' 2025

- **125th position** Pentathlon CTF

Apr' 2025

- **4th position** Chakravyuh CTF

Mar' 2025

- **Qualified** AIESEC Hackathon

Aug' 2024

- **16th position** TechnOcean CTF

Mar' 2023

## VOLUNTEER EXPERIENCE

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- **Volunteer Staff**

Nov' 2023 – Apr' 2024

*Cisco x LPU iGen*

- Assisted in organizing the CyberSec Symposium 2.0 and collaborated with industry experts during the event.
- Conducted and managed a Capture The Flag (CTF) event in CyberSec Symposium 1.0, enhancing practical cybersecurity skills.
- Gained hands-on experience in event coordination and teamwork under the mentorship of Palvinder Sir, enhancing organizational and collaborative skills.
- Supported a hands-on cybersecurity workshop (Secuneus Tech Workshop) focused on ethical hacking and digital defense.