

Shreyas Malhotra

Penetration Tester | Security Engineer

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Offensive Security Engineer specializing in vulnerability assessment and penetration testing. Proven track record building attack labs for global platforms like OffSec, conducting security research, and crafting hands-on technical content.

EXPERIENCE

Technical Content Engineer - Freelance

Mar 2025 – Present

OsmSec

- Designed and built offensive security training labs for international clients like OffSec and Parrot CTFs.
- Published a RCE (Remote Code Execution) exploit for CVE-2025-0868 on [Exploit-DB](#).
- Developed vulnerable environments using Docker for isolated exploitation scenarios.
- Authored clear, concise documentation for lab deployment, usage instructions, and guided walkthroughs.
- Collaborated with security teams to align lab content with real-world use cases and skill levels.

Security Engineer - Internship

Mar 2022 – May 2022

FourCore Labs

- Conducted research on real-world cybersecurity attacks, vulnerabilities, and exploits across various domains.
- Mapped observed techniques to the MITRE ATT&CK framework to strengthen understanding of attacker behavior.
- Built a foundational understanding of adversary simulation and threat modeling workflows.
- Collaborated with senior analysts to improve the quality and clarity of research deliverables.

SKILLS

- Offensive Security:** Penetration Testing, Active Directory Attacks, Vulnerability Research, Red Team TTPs
- Security Tools:** Nmap, Burp Suite, BloodHound, Metasploit, mimikatz, CrackMapExec, Wireshark
- Development Tools:** Docker, Podman, VirtualBox, VMWare, Git
- Languages:** Bash, PowerShell, Python (for tooling)
- Frameworks:** MITRE ATT&CK, OWASP Top 10, Cyber Kill Chain
- Professional Skills:** Technical Reporting, Cross-Team Collaboration, Client-Focused Communication, Structured Problem-Solving

CERTIFICATIONS

CRTP - Certified Red Team Professional | *Altered Security*

In Progress

eJPT - Junior Penetration Tester | *INE Security*

2024

CC - Certified in Cybersecurity | *ISC2*

2023

ACCOMPLISHMENTS

- Reported a security vulnerability via **Wordfence**, leading to the assignment of **CVE-2025-7507** (pending public disclosure).
- Achieved **1st place** in **Chakravayuh CTF 2025**, a 12-hour CTF hosted by the **School of CSE, Lovely Professional University**.
- Secured **2nd place** in **Hack Quest CTF 2024**, a 24-hour CTF hosted by **upGrad India**.

EDUCATION

Lovely Professional University

Aug 2022 – Jul 2025

BCA - Bachelor of Computer Applications, CGPA: 8.84

- Academic Major:** Cyber Security
- Relevant Coursework:** Linux System Administration, Networking & Security, Digital Forensics, Software Testing, IoT