Omkar Deodhar

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github.com/omkardeodhar | tryhackme.com/r/p/InfoSentinel | omkardeodhar.netlify.app

Summary

Highly motivated and detail-oriented aspiring **Penetration Tester** and Cyber Security Enthusiast targeting a challenging position in **Red teaming** or **Ethical Hacking**. Possess a strong working knowledge of industry tools and techniques, with a commitment to continuous learning and staying current with evolving cyber threats. **Enthusiastic** about collaborating with cross-functional teams to contribute to an organization's overall security posture.

Education

Marathwada Mitra Mandal's College of Engineering, Pune, B.E. in Computer Engineering — Nov 2022 – Nov 2026

Experience

Freelance Penetration Tester, Remote — Mar 2025 – Present
- Performed **penetration testing** on a live site during active attacks, identifying **5+ vulnerabilities** that enabled unauthorized content changes.
- Reported **critical info leaks** via **admin/cart endpoints**, **public log files**, and **exposed stack traces** from debug misconfigurations.
- Utilized tools like **Burp Suite**, **Nmap**, and **browser dev** tools for discovery and verification.
- Delivered a detailed **security report** with **10+ remediation steps**, improving the site's overall **security posture**.

Cyber Security and Digital Forensics Intern, Cyber Secured India (CSI) — Mar 2024 – Jun 2024
- Completed **80+** rooms on **TryHackMe and PortSwigger Labs**, conducting **Web and Mobile Application Penetration Testing** in simulated environments.
- Gained hands-on experience in **15+ Linux and Windows privilege escalation** scenarios and **10+ digital forensics challenges**.
- Identified and exploited **30+ vulnerabilities** including **injection attacks, broken authentication/access control, CSRF, and SSTI** through practical labs.

Licenses and Certifications

- **Cisco Ethical Hacker:** credly.com/badges — Aug 2024
- **Ethical Hacking Essentials (EC-Council):** drive.google.com — Mar 2024
- **Google Cybersecurity Professional Certificate (Google and Coursera):** coursera.org — Feb 2024

Projects

Web Crawler: github.com/omkardeodhar/SIH-Webcrawler.git — Nov 2024
- Developed **VulnScout**, a Python-based web crawler and scraper that reports critical vulnerabilities in OEM equipment. Extracts CVE identifiers, CVSS scores, summary, and publish dates from security advisory pages. Features include keyword-based link discovery, dynamic content support, structured output, and automated email alerts.

Port Scanner: github.com/omkardeodhar/ShadowScan — Feb 2024
- Developed **Shadow-Scan**, a Python-based port scanner for educational use, identifying open ports and services such as FTP, SSH, HTTP and SMTP. Implemented with Python libraries (socket, ssl, scapy) for Linux systems, offering a simple interface for scanning and retrieving service details.

Packet sniffer: github.com/omkardeodhar/Shadow-Sniff — Dec 2023
- Developed **Shadowsniff**, a Python-based network sniffer to capture and analyze packets. Supports protocols like ICMP, DNS, ARP, TCP, and UDP, with real-time display and logging of packet details. Compatible with Linux and features a command-line interface for a customizable capture duration.

Skills

Languages: C++, Python, SQL, JavaScript, BashScript
Tools: Nmap, Metasploit, Burp-Suite, Wireshark, SQLmap, OWASP ZAP, Nessus, GitHub, Kali Linux, WAPT, VAPT
Soft Skills: Problem-Solving, Critical Thinking, Teamwork, Attention to Detail
Frameworks and Standards: OWASP Top 10, NIST, ISO 27001, GDPR

Achievements

- Achieved a **top 5%** global ranking on the TryHackMe platform.
- **Established** the first-ever Cyber Security Club, **MSOC**, at MMCOE College and currently serving as its **President**.
- **Mentored 50+ students** in cybersecurity fundamentals, ethical hacking, and network security, including live demonstrations.
- Achieved **top ranking** in multiple Capture The Flag (CTF) competitions, earning substantial cash prizes