JAI PRAKASH SAINI, Security Engineer – Web & Application Security

Jaipur, Rajasthan, India
(+91) 9680314480
jaiprakash1108aug@gmail.com
http://www.linkedin.com/in/jai-prakash-saini-aa5a202b6
https://github.com/jaiprakash-ai

Professional Summary:

Cyber Security professional with hands-on experience in Web Application Penetration Testing, VAPT, and DAST. Skilled in identifying OWASP Top 10 vulnerabilities including SQL Injection, XSS, authentication and authorization flaws. Experienced with tools like Burp Suite, Nmap, and Linux-based security testing environments. Pursuing B.Tech in Artificial Intelligence and seeking an entry-level role as a Penetration Tester or Security Analyst.

Technical Skills:

- Ethical Hacking
- Web Application Penetration Testing (OWASP Top 10)
- Vulnerability Assessment & Penetration Testing (VAPT)
- Dynamic Application Security Testing (DAST)
- Attacks: SQL Injection, XSS, CSRF, IDOR, File Upload Vulnerabilities
- Tools: Burp Suite, Nmap, Nikto, SQLmap, OWASP ZAP
- Networking: TCP/IP, DNS, HTTP/HTTPS, Port Scanning
- OS: Linux Administration, Windows Security Basics
- Reporting: Vulnerability Documentation, PoC, Remediation

Work Experience:

1. **Cyber Security Intern**
   Skill Horizon, Jaipur | Aug 2025 – Oct 2025
   - Performed web application security testing aligned with OWASP Top 10, focusing on SQL Injection, XSS, and authentication flaws.
   - Conducted reconnaissance, scanning, and vulnerability analysis using tools like Burp Suite and Nmap in lab environments.
   - Documented identified vulnerabilities with severity assessment, proof of concept (PoC), and remediation recommendations.

2. **Cyber Security Intern**
   Redynox (Remote) | Sep 2025 – Oct 2025
   - Assisted in vulnerability assessment and penetration testing (VAPT) for web applications following security best practices.
   - Supported security documentation and reporting by summarizing findings and mitigation steps for identified risks.
   - Analyzed common attack vectors including IDOR, security misconfiguration, and input validation issues.

Education:

Bachelor of Technology (B. Tech) - Artificial Intelligence
Anand international college of engineering, Jaipur, 2023 – 2027

Certifications:

- Certified Ethical Hacker - Skill Horizon NextGen Pvt. Ltd.
- Certified Penetration Tester - Skill Horizon NextGen Pvt. Ltd.
- Certified Social Engineering Defense Practitioner (CSEDP) - The SceOps Group
- Certified Network Security Practitioner (CNSP) - The SecOps Group
- Introduction to Cybersecurity- Cisco Networking Academy
- Networking - IIHT, Jaipur
- Linux Server (RHCSA) - IIHT, Jaipur

Projects:

1. ShadowRipper - Network Reconnaissance & Port Scanning Tool

- Developed a Python-based network reconnaissance tool supporting domain-to-IP resolution and WHOIS lookup.
- Implemented custom-range port scanning with service banner grabbing for exposed service identification.
- Integrated SSL/TLS certificate detection and inspection to analyze secure communication configurations.

2. Web Application VAPT (Lab-Based Project)

- Performed vulnerability assessment on intentionally vulnerable web applications (DVWA / Juice Shop).
- Identified SQL Injection and Cross-Site Scripting (XSS) vulnerabilities using Burp Suite and manual testing.
- Documented findings with vulnerability severity and recommended remediation steps.

Key Achievements:

- Completed the "Advent of Cyber 2025" challenge from **TryHackMe**, successfully completing 24 cyber security challenges.
- Conducted web application penetration testing using DAST techniques aligned with OWASP Top 10 vulnerabilities.
- Participated in Capture the Flag (CTF) challenges, solving web exploitation and reconnaissance-based security tasks in controlled lab environments.