SANJAI M

PENETRATION TESTER

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SUMMARY

Penetration tester and offensive security researcher with hands-on experience in vulnerability assessment, exploit development, and red team operations. Web VAPT and Cybersecurity Automation. Proven ability to uncover, exploit, and remediate high-impact vulnerabilities through AI-driven testing frameworks and manual exploitation methodologies.

EXPERIENCE

Founder & Offensive Security Researcher

Binary Shield Cybersecurity Solutions | Present

- Founded a cybersecurity startup delivering enterprise-grade VAPT and offensive security engagements, developing custom testing frameworks that increased efficiency.
- Spearheaded the development of a next-generation AI security platform, reducing manual assessment time by 60–80% through intelligent automation.
- Authored technical research, blogs, and open-source penetration testing resources, reaching over 500+ cybersecurity professionals.

Penetration Tester (intern)

TwinTech Solutions, Chennai | Feb 2025 – May 2025

- Conducted end-to-end web and network penetration testing, performing reconnaissance, vulnerability discovery, exploitation, and reporting aligned with OWASP Top 10 and CVSS standards.
- Utilized Burp Suite, Metasploit, Nessus, and manual testing to identify and exploit 10+ web vulnerabilities, providing actionable remediation insights to clients.
- Collaborated with industry professionals on real-time web security projects, improving assessment efficiency and strengthening defense.

PROJECT

God Eye—AI-Powered OSINT Framework

- Developed an AI-driven OSINT automation system to streamline reconnaissance, digital footprint mapping, and data correlation across 30+ intelligence sources.
- Integrated Python and API-based intelligence gathering, reducing manual OSINT effort by over 60% and enhancing threat visibility for vulnerability prevention.

ACHIEVEMENTS

- **Computer Department Secretary**: Organized events and facilitated communication between students and faculty.
- Runner-up in Debugging at Hindustan Arts and Science College, National Level Symposium.

EDUCATION

Bachelor of Computer Applications (BCA) - Periyar University (2021-24)
Kandaswami Kander's College.

SKILLS

Technical Skills

- Web Application Penetration Testing (OWASP, CVSS)
- Manual Exploitation & Validation Testing
- Network Security & Protocol Analysis
- OSINT & Recon Frameworks
- Burp Suite, Metasploit, Nmap, Nessus, Wireshark
- Python Scripting
- GitHub-based Offensive Tools
- AI Prompt Engineering for Cyber Automation
- CVSS Scoring
- Vulnerability Reporting.

Core competencies

- Analytical & Critical Thinking
- Problem Solving
- Collaboration

CERTIFICATE

- Deloitte Virtual Internship (Cybersecurity)
- Certified Penetration Tester — RedTeam Hacker Academy
- Networking Basics Cisco