DINESH S

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PROFESSIONAL SUMMARY

Results-driven Junior Penetration Tester with hands-on internship experience in web application security, network vulnerability assessment, and ethical hacking. Proficient in industry-standard tools including Burp Suite, Nmap, Metasploit, Wireshark, and Nessus. Solid understanding of OWASP Top 10, common vulnerabilities (SQLi, XSS, CSRF, IDOR), TCP/IP networking, and CVSS severity ratings. Experienced in documenting findings with clear reproduction steps and actionable remediation recommendations. Currently supporting ISO/IEC 27001 audit and ISMS compliance. Certified Penetration Tester (Redteam Hackers Academy) and Certified Ethical Hacker (CISCO). Eager to contribute to GovTech security testing across web, mobile, API, and network environments.

TECHNICAL SKILLS

Penetration Testing	Web Application Testing, Network Penetration Testing, API Security Testing, Privilege Escalation, Exploit Research
OWASP / CVE	OWASP Top 10 (SQLi, XSS, CSRF, IDOR, SSRF), SANS/CWE Top 25, CVSS Scoring, Vulnerability Assessment
Security Tools	Burp Suite, OWASP ZAP, Metasploit, Nmap, Nessus, OpenVAS, Qualys, Wireshark, Recon-NG, Nikto, ExploitDB
Credential & Auth	Hashcat, Mimikatz, Hydra, Password Cracking, Authentication Bypass
Frameworks	Nighthawk (basic), Metasploit Framework, ISO/IEC 27001, ISMS
Networking	TCP/IP, DNS, HTTP/HTTPS, Firewalls, Network Enumeration, Port Scanning
Scripting	Python (Basic), Bash Scripting, Linux Command Line, Kali Linux, Windows
Reporting	Vulnerability Documentation, Reproduction Steps, Remediation Recommendations, Audit Reports

PROFESSIONAL EXPERIENCE

Technical Assistant – ISO 27001 | **Integrated Assessment Services** | Chennai, India *Aug 2025 – Apr 2026*

- Support audit and certification processes for ISO/IEC 27001, reviewing client ISMS documentation and preparing detailed audit reports aligned with information security management requirements.
- Coordinate with auditors and clients to track audit findings, maintain compliance records, and ensure adherence to certification procedures and security controls.
- Assist in identifying gaps in client information security policies and recommend corrective actions to achieve and maintain ISO 27001 certification.

Penetration Tester Intern | **Redteam Hackers Academy** | Chennai, India *Mar 2024 – Aug 2024*

- Conducted web application penetration testing and network vulnerability assessments using Burp Suite, Nmap, and Metasploit, simulating real-world cyberattacks to identify exploitable weaknesses.
- Performed OWASP Top 10 vulnerability testing including SQL Injection (SQLi), Cross-Site Scripting (XSS), CSRF, and IDOR across client applications.
- Documented findings with detailed reproduction steps, CVSS severity ratings, and actionable remediation recommendations for client teams.
- Executed network reconnaissance, enumeration, and privilege escalation exercises, improving proficiency in ethical hacking methodologies.

Industrial IoT Intern | **TANSAM powered by Siemens** | Chennai, India *Mar 2024 – Apr 2024*

- Explored MindSphere IoT platform for real-time data analytics and smart manufacturing, gaining foundational knowledge of industrial network security considerations.

- Analyzed IoT device communication protocols and identified potential attack surface areas relevant to industrial control systems security.

SECURITY PROJECTS & LABS

DC-1 Vulnerable Machine – Penetration Testing | CTF / Lab | Tools: Nmap, Metasploit, Nikto, Nessus *Aug 2024*

- Performed end-to-end penetration test on DC-1 vulnerable machine: network reconnaissance, service enumeration, initial access via web application exploit, and Linux privilege escalation.
- Identified and exploited multiple CVEs, documenting each finding with reproduction steps, impact assessment (CVSS), and recommended remediations — mirroring real-world pen test reporting standards.
- Demonstrated hands-on application of OWASP Top 10 and SANS/CWE Top 25 vulnerability categories in a controlled lab environment.

Low-Power DNN Accelerator – VLSI Security Research | B.E. Final Year Project*Mar 2025 – May 2025*

- Designed a low-power Deep Neural Network accelerator with approximate signed multiplier, addressing resource-constrained edge device security and power efficiency.
- Applied understanding of hardware-level security considerations and computational integrity to AI inference systems.

CERTIFICATIONS

✓ Certified Penetration Tester (CPT)	✓ Certified Ethical Hacker (CEH) – CISCO
Redteam Hackers Academy	CISCO Networking Academy
✓ Python Programming – GUVI	✓ ISO/IEC 27001:2022 Internal Auditor

EDUCATION

B.E. in Electronics and Communication Engineering | **Panimalar Institute of Technology** | Chennai, India *Nov 2021 – May 2025*

- Relevant coursework: Network Security, Information Security, Ethical Hacking, Embedded Systems, IoT.
- Final-year VLSI security project focused on low-power DNN accelerator design for resource-constrained AI systems.

KEY COMPETENCIES

Web App Penetration Testing	Network Security Assessment	OWASP Top 10 / CWE Top 25
Vulnerability Reporting	ISO 27001 / ISMS Compliance	CTF / Lab-Based Security Testing