

JEWELL LUKE SAJI

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PROFESSIONAL SUMMARY

Certified cybersecurity professional with hands-on expertise in Vulnerability Assessment and Penetration Testing (VAPT). Specializes in host based pentest & auditing and web application security testing, OWASP Top 10 vulnerabilities, and offensive security methodologies. Seeking to leverage technical skills and certifications in a VAPT role to identify and remediate security vulnerabilities.

EDUCATION

- **Bachelor of Science in Digital and Cyber Forensics**
Rathinam College of Arts and Science | Coimbatore, Tamil Nadu, India
Expected Graduation: May 2026 | Current: Third Year

CERTIFICATIONS

- **INE Junior Penetration Tester (INE e-JPT)** - INE
- **Ethical Hacking Associate** - RedTeam Hackers Academy
- **Web Application Penetration Testing** - TryHackMe
- **Junior Penetration Tester Learning Path** - TryHackMe
- **Penetration Testing 2025** - IT Masters
- **CISCO Networking Basics** - Cisco
- **Practical WebApp Security & Testing** - The Taggart Institute

EXPERIENCE

Cybersecurity Intern | Ozone CyberSecurity | [Duration: Dec-23-Jan24]

Gained hands-on experience in network security assessment and web application security testing, with a strong focus on identifying vulnerabilities aligned with the **OWASP Top 10**, including injection flaws, cross-site scripting, authentication issues, and access control weaknesses. Actively participated in **Vulnerability Assessment and Penetration Testing (VAPT)** projects under the mentorship of senior security professionals, contributing to vulnerability discovery, validation, and impact analysis. Developed practical expertise in penetration testing methodologies such as reconnaissance, scanning, exploitation, and reporting, following recognized security frameworks including OWASP, NIST, and PTES, while utilizing industry-standard tools like Burp Suite, Nmap, and Metasploit.

PORTFOLIO & PROJECT WORKS

TryHackMe

Successfully completed **250+ hands-on cybersecurity challenges** with a strong emphasis on **penetration testing, vulnerability assessment, and exploitation techniques**, demonstrating advanced practical skills in offensive security. Achieved a Top 1% global ranking, highlighting exceptional problem-solving ability, technical depth, and consistency in real-world security scenarios. Specialized in **web application security, network penetration testing, and CTF-style challenges**, with proven expertise in identifying, exploiting, and analyzing security vulnerabilities across diverse attack surfaces.

HackTheBox

Successfully compromised multiple target systems through ethical hacking methodologies
Specialized in web application exploits and network penetration techniques & reached hacker rank
Enhanced expertise in OWASP Top 10 vulnerabilities and exploit development

Automated Web-app Recon Framework

Executed **automated reconnaissance workflows** to efficiently map web assets, endpoints, and technologies for Web-App testing
Enhanced VAPT and Web-app recon efficiency by adopting structured, repeatable reconnaissance methodologies.
Reduces manual Recon time by 60% while improving accuracy & multi spectrum sharing

Chess Based File Encryption

Designed a custom encryption system where chess move sequences are used to generate key, replacing traditional symmetric key generation methods
Implemented a move-to-key derivation mechanism that converts algebraic chess notation into deterministic binary data and hashes it into various
Enhanced security by incorporating KDF (SHA-256/HKDF) to harden chess-move sequences against guessing attacks

Web App CVE Scanning Automation using n8n

Automated vulnerability scanning workflow using n8n. Integrates multiple security tools via APIs to scan web applications for known CVEs, aggregate results, and generate comprehensive security reports. Also this can be deployed via local system and VPS etc

SKILLS

TECHNICAL SKILLS

Vulnerability Assessment & Penetration Testing:

- **Network Penetration Testing**
- **Web Application Security Testing**
- **Host-based Security Assessment**
- **OWASP Top 10 Vulnerability Assessment**
- **Security Testing Methodologies (OWASP, NIST, PTES)**
- **Security Assessment Tools**
- **Understanding of Networking Concepts**

NON-TECHNICAL SKILLS

- **Problem Solving**
- **Critical Thinking**
- **Attention to Detail**
- **Communication**

LANGUAGES KNOWN

- English (s,r,w)
- Malayalam (s,r,w)
- Tamil (s)