

AKSHAY MAHAJAN

CYBERSECURITY SPECIALIST

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PROFILE SUMMARY

Cybersecurity Specialist with 4+ years of experience in **penetration testing**, **vulnerability assessments**, and **application security**. Proficient in **SAST/DAST**, **SOC** operations, and implementing security measures using frameworks like **NIST 800-53**. Skilled in automating security within **CI/CD** pipelines and leveraging tools like **Burp Suite**, **Nessus**, and **Splunk**. Certified **eJPT** and **CNSS**, with ongoing **CEH** and **OSCP** progress. Additionally, published a research paper as part of a capstone project.

EDUCATION

Master of Science, Cybersecurity | The University of Tampa, Tampa, FL | **GPA: 3.55** **May 2024**

Bachelor of Engineering in Computer Engineering | Savitribai Phule Pune University, India | **GPA: 3.1** **May 2020**

EXPERIENCE

Cybersecurity Specialist | Rebecca Everlene Trust, Remote, Chicago, IL **Aug 2024 - Present**

- Implemented application security measures, reducing identified risks by 30% through vulnerability scanning and patching
- Utilized G Suite for tracking, documentation, reporting & collaboration with 100% accuracy in security-related records
- Collaborated with cross-functional teams to remediate 95% of high-priority vulnerabilities from security assessments
- Executed penetration tests with Burp Suite, Nessus, and OWASP ZAP, mitigating over 50 vulnerabilities aligned with OWASP Top 10
- Conducted mobile app security testing with MobSF and open-source tools, performing SAST and DAST for risk assessment
- Enhanced SOC procedures, playbooks, and security protocols, significantly improving incident response time by 25%

Application Evaluator & Enrollment Assistant | University of Tampa, Tampa, FL **Aug 2022 - Apr 2024**

- Processed and evaluated 2,000+ student applications on the Slate platform, ensuring 100% data accuracy and compliance with standards
- Automated data extraction and filtering for 2,000+ student records using Python and Excel, improving processing efficiency by 40%
- Prioritized and resolved user support tickets, achieving a 95% satisfaction rate through timely and effective assistance
- Scanned and uploaded transcripts during peak periods, maintaining a 24-hour turnaround time and ensuring 100% data integrity

Cybersecurity Intern | Security Consultant at Verve Square Technologies, Pune, India **Nov 2019 - Jul 2022**

- Conducted Blackbox testing and vulnerability assessments on 600+ API endpoints and web applications, reducing security risks by 70%
- Developed Python automation scripts, reducing manual security tasks by 30% and increasing overall efficiency
- Performed SAST and DAST on iOS and Android mobile applications, identifying and mitigating 50+ vulnerabilities
- Implemented automated security measures in CI/CD pipelines, reducing the attack surface by 90% through early vulnerability detection

CERTIFICATIONS

- eJPT**, (Junior Penetration Tester)
- INSI**, CNSS Certified Network Security Specialist
- API Security Fundamentals** by APIsec University

TECHNICAL SKILLS

- Programming & Development:** Python, Golang, Java, Postman, Swagger, Eclipse IDE, SonarQube
- Vulnerability Assessment & Penetration Testing:** Nessus, Qualys, Acunetix, Metasploit (msf), Burp Suite, OWASP ZAP
- Security Monitoring & Threat Intelligence:** Splunk, Wireshark, tcpdump, MISP, AlienVault OTX, ELK Stack, Graylog
- Cloud & Infrastructure Security:** CloudSploit, AWS Security Hub, Azure Security Center, Okta, CyberArk, AWS IAM
- Endpoint & Application Security:** SentinelOne, Zscaler, Checkmarx, MobSF, CSP, HSTS, Subresource Integrity (SRI)
- Malware Analysis & Reverse Engineering:** VirusTotal, Ghidra, IDA Pro

CORE COMPETENCIES

Penetration Testing | Threat Hunting | Remote Access Tools | G Suite Applications | Various Open-Source Security Tools | Troubleshooting | Bash Scripting | Vulnerability Assessment and Analysis | PowerShell Scripting | NIST 800-53 Compliance Analysis | Ticket Management and Tracking | Automation and Process Optimization | Incident Response and Management | Mobile, Web, and API Security | Risk Identification and Mitigation | Traffic Analysis | Application Security