

MAYANK SHARMA

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EDUCATION

University of Maryland – Master of Engineering • Cybersecurity
Amity University – Bachelor of Technology • Computer Science

Aug 2022 - May 2024
Jul 2017 – May 2021

SKILLS

Programming & Scripting: Python, Bash, Java, C, SQL, Powershell, Splunk Processing Language (SPL), Kusto Query Language
Network, Web & Mobile Security Tools: Nmap, Wireshark, nikt0, Metasploit, Rapid7 Nexpose/InsightVM, Qualys, Nessus, ZAP, OpenVAS, Burp Suite, ffuf, BeEF, Bloodhound, OpenSSL, Hashcat, Mimikatz
Threat Research: STRIDE, DREAD, MITRE ATT&CK, Pyramid of Pain, Diamond Model, Maltego, Shodan, OSINT, PEAK
Continuous Monitoring: Snort, YARA, tcpdump, Suricata, Zeek (Bro), ELKB, QRadar, Splunk
DFIR: Autopsy, Sysinternals, Velociraptor, FTK Imager, Foremost, Binwalk, Exiftool, Encase, SIFT
Security Frameworks & Standards: NIST CSF/RMF, OWASP (Web/Mobile/Code Review), PCI DSS, SANS
Cloud Security: AWS (DynamoDB, CloudWatch, Detective, GuardDuty), Azure (WAF, AD, Bastion), Oracle Cloud (OCI)
Miscellaneous: SQL Server Management Studio, GenAI(LLM) Security, Kubernetes, TheHive Project, BigFix, Threat Modeling

WORK EXPERIENCE

Cybersecurity Engineer 1 – Crimson Vista

June 2024 - Present

Remote, USA

- Engaging in network and web penetration testing, OSINT, threat modeling, threat detection and response activities, including monitoring, investigating, analyzing, and responding to security incidents, while developing and implementing Snort, Suricata, and YARA rules and signatures to mitigate security threats.
- Assisting technical experts in expert testimony, technical reports, and consultations, while collaborating with legal teams, clients, and non-technical stakeholders to provide technical insights and support for ongoing cases.
- Conducting comprehensive manual and automated code reviews using tools like SonarQube & CodeQL to identify security vulnerabilities, compliance issues, and software defects.

Security Consultant Intern – TrustedCISO LLC

March 2024 – May 2024

Remote, USA

- Engaged in web application, cloud, and API penetration testing, as well as secure code reviews to identify vulnerabilities, recommending fixes to align with the OWASP Web Security Testing Guide, using tools like BurpSuite to verify OWASP Top 10 vulnerabilities such as XSS, CSRF, Injection, CORS, BOLA, BFLA, and BOPLA.
- Led SOC2 compliance assessments, risk evaluations, and security posture development initiatives while shadowing a virtualCISO, guiding clients through regulatory requirements, identifying vulnerabilities, and offering strategic solutions for enhanced security resilience and regulatory compliance.

IT Security Analyst 1 – FIS Global

July 2021 – July 2022

Gurugram, India

- Conducted comprehensive Vulnerability Assessments and Penetration Testing (on-prem & cloud) for multiple Business Units, including proof of concepts (POCs), triaging & remediating over 500 vulnerabilities, ensuring accurate reporting, and reducing potential security threats by 70%, while coordinating with various project managers.
- Resolved network & scanning performance issues by performing root cause analysis & tuning scanning tools, leading to a 20% improvement in security posture, while also spearheading the scanning reconciliation project to define the scope.
- Effectively managed monthly PCI & CIS compliance scanning reports for 15+ merchants and over 500 systems, providing accurate data to drive decision-making, fostering continuous improvement in overall compliance.
- Evaluated and recommended enhancements to incident management and security controls, achieving a 20% decrease in average resolution time for Vulnerability Scanning & Engineering security escalations
- Collaborated with various teams including Application Security (DAST), Cloud Security, and Penetration Testing, to develop and implement comprehensive IT security policies.

PROFESSIONAL & ACADEMIC ACCOLADES

- Winner of Palo Alto Networks' Secure the Future Competition (National) for two consecutive years. 2022 & 2023
- Bug Bounty Hall of Fames: Apple, Centrifly, Moneytree, Pantheon, TripAdvisor, ISC2 & more.
- CTFs – EY's DSCI (19th place/1000), Huntress (377th place/4200 teams), Blue Team Village (Graylog CTF)

CERTIFICATIONS

- Certified Ethical Hacker (CEHv10)
- EC-Council Certified Security Analyst (ECSAv10)
- CompTIA Security+
- ISC2 Certified in Cybersecurity (CC)
- Azure Fundamentals (AZ-900)
- Splunk Certified Cybersecurity Defense Analyst
- ISO/IEC 27001 Information Security Associate
- Certified AppSec Practitioner (CAP)
- Certified Network Security Practitioner (CNSP)
- Cyber Threat Exposure Management Expert (XM Cyber)
- Oracle (OCI) Certified Security Professional
- Qualys Certified Specialist (PCI DSS/VMDR/EDR)