KSHITIJA MHATRE

SECURITY ENGINEER

📞 +91 9322963661   ✉ kshitijam20@gmail.com

in LinkedIn   ⌗ Github

PROFILE

A dedicated Security Engineer with 2+ years of experience in cybersecurity and 1.5 years in software engineering, bringing over 3.5+ years of combined expertise. Proven ability to develop and implement security policies, perform vulnerability assessments and ensure compliance with industry standards.

WORK EXPERIENCE

TS Security Engineer

UL Solutions   Feb 2025 - Current

- Developed and execute test plans for network equipment and IoT devices based on ITSAR standards.
- Conducted security assessments, penetration tests and vulnerability analysis on IP Routers, Wi-Fi CPE and other IoT devices.
- Prepared clear technical documentation, compliance reports and security advisories for stakeholders and clients.
- Documented technical findings in detailed reports, providing actionable recommendations for both internal teams and external stakeholders to enhance product security.
- Supported compliance processes for security certification and regulatory audits.

Security Engineer

Deltaphi Labs Private Limited   July 2023 - Jan 2025

- Orchestrated comprehensive security testing on network devices, aligning them with relevant ITSARs and referenced 3GPPs, resulting in the successful
  acquisition of NCCS certification for specific network models and devices.
- Developed authored detailed reports pivotal in bolstering security testing efforts, leading to the attainment of NCCS certification and upholding stringent quality control standards.
- Worked on diverse test cases involving security testing, networking, IP, firewall and webpage evaluation to ensure compliance with specialized standards. Did ITSAR security testing for Cisco.

Cyber Security Intern

Cyber Secured India   Apr 2023 - Jun 2023

- Performed Static Application Security Testing (SAST).
- Worked on analysing multiple reconnaissance methodologies.
- Used OWASP methodologies to identify and mitigate vulnerabilities.
- Assisting with secure code practices.

Cyber Security Administrator

VTF - Virtually Testing Foundation   Jan 2023 - Mar 2023

- Utilized MITRE ATT&CK framework for threat identification and prioritization.
- Analyzed various reconnaissance methodologies.
- Conducted OSINT for data gathering and analysis, contributing to team research tasks.
- Analyzed security logs using Splunk and prepared comprehensive reports.
- Studied cloud security measures to mitigate risks.
- Analyzed Docker architecture and addressed container security concerns.

Software Engineer

Capgemini India Pvt Ltd   Dec 2021 - Jul 2022

- Worked with team in developing simple functional modules using JavaScript for the L&D portal for a client.
- Created python based automations.
- Developed business process using BPML for automating transaction tasks.

Software Associate

Capgemini India Pvt Ltd   Dec 2020 - Dec 2021

- Regular monitoring the health of application and carried out tuning activities.
- Worked with IBM Sterling Integrator B2B application and File-gateway.
- Provided 24x7 production operations support. (ITIL).
- Created automation to enhance performance delivery and reduce manual efforts.
- Worked on P1, P2 Incidents and root cause analysis.
- Used ServiceNow for ticketing process.
- Communicated with client to discuss and work on issues and deliverables.

SKILLS

- **Security Applications** - Burpsuite, Nessus, Blackduck Defensics, Caido, Wireshark, OWASP ZAP, HCL AppScan, Qualys, ServiceNow
- **Security Tools** - NMap, Metaspliot, Nikto, SQLMap, dirb, dirbuster, gobuster, fuff, hping, subfinder, Amass, etc.
- **Programming** - Python, Java, SQL, Bash.
- **OS** - Linux, Windows.
- **Security Technologies** - Firewalls, Intrusion Detection Systems (IDS), Cryptography, Incident Response, Compliance testing, Fuzz testing, Vulnerability Assessment, DOS testing.
- **Network Protocols** - TCP/IP, DNS, DHCP, SMTP, FTP/TFTP, SFTP, SSH, HTTP/ HTTPS, IPSec
- **Security Devices Tested** - Cisco ISR4331 router, Cisco IOS XR router, Cisco Rv340 router, Mikrotik router, Mikrotik WiFi CPE, Fortinet Firewall, Digisol GEPON OLT and ONT, DLink.
- **Compliance** - ITSAR, NIST CSF
- **Understanding** - CWE, CVE
- **Configuration Management Tools:** Git, GitHub

CERTIFICATIONS

- eJPT - INE Junior Penetration Tester
- Certified Information Security and Ethical Hacker CISEH
- NSE 1 Network Security Associate
- ISO/IEC 27001 Information Security Associate
- CNSP (Certified Network Security Practioner)
- Azure Fundamentals AZ - 900
- ISEA Certified Cyber Hygiene Practitioner

EDUCATION

University of Mumbai

BSc in Computer Science

- 2017 - 2020   8.53 CGPA

PROJECTS

Enumstar

- Python, Tkinter
- Tool under development consisting of functionalities such as performing sub-domain enumeration, Analyzing http/ https response, generating report for the output.

Prilux

- Python
- Tool under development analyzing the platform to find out privilege escalation areas of attack.