Sanskar Yadav

A Cybersecurity Enthusiast

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Professional Summary:

Cybersecurity Specialist with a strong focus on VAPT, skilled in tools like **Burp Suite, Nessus, Nmap**, and **Metasploit**. Experienced in identifying and mitigating vulnerabilities across cloud and on-premise systems. Knowledgeable in **risk analysis**, **Network Security**, and compliance with **CIS, NIST, ISO 27001**. Currently pursuing **PG-DCSF (Cyber Security & Forensics)** from **CDAC India**.

Internships:

Vulnerability and Penetration Tester – *Snet Labs*, *July 2024 – December 2024*

- Conducted comprehensive VAPT on AWS environments, **evaluating 60+ security controls** and **identifying 42 critical vulnerabilities, including 15 high-severity issues**.
- Partnered with engineering and security teams to implement remediation plans, **reducing risk by 40% in just 3 months.**
- Resolved 55+ high-priority issues, strengthening compliance with industry standards such **as CIS, NIST, and ISO 27001.**
- **Enhanced detection accuracy by 25%** using a combination of manual testing and automated tools.
- Tools & Technologies: **Burp Suite, Nessus, Nmap, Metasploit, Nikto, OWASP ZAP, Wireshark, Kali Linux, AWS Inspector, and OpenVAS**

Web Developer – *Potterstech*, *May 2021 – July 2021*

- Spearheaded a project to replicate LinkedIn's core functionalities, significantly advancing web development skills and expertise.
- Employed modern technologies to enhance understanding of web architecture, user authentication, and data security, **completing the project in 60 days**.
- Achieved **a 25% improvement** in web application performance through optimized coding practices and advanced security measures.

Android Security Analyst – *Intellect Design, May 2020 – August 2020*

- Developed an Android application intentionally incorporating **OWASP Top 10 security vulnerabilities** to systematically identify and address security weaknesses.
- Conducted thorough vulnerability assessments leading to **a 50% reduction** in device vulnerabilities, **decreasing the risk from 80% to 40%.**
- Implemented targeted remediation strategies that enhanced the application's security posture and overall resilience against potential threats.

Cybersecurity Specialist – *Hindalco,* *January 2020 – April 2020*

- Developed a Python-based keylogger using Py2exe, facilitating security monitoring for **over 45 users** by generating key logs to identify and prevent potential breaches.
- Demonstrated the effectiveness of cybersecurity measures in enhancing company security, leading to a measurable improvement in threat detection and mitigation capabilities.
- Contributed to **a 20% increase** in overall security posture by integrating advanced logging tools and reinforcing data protection strategies.

Projects:

Developer – War-flight Aerial Reconnaissance System (WARAS), July 2023 – December 2023

Role: VAPT Specialist & Developer | Tools: Python, Linux, IoT (Wi-Fi/GPS), Drone Tech

- Designed and deployed a drone-based reconnaissance tool to support penetration testing by detecting and mapping **100+ Wi-Fi devices within a 1 km radius**.
- Used Python and Linux-based scripts **integrated with GPS and Wi-Fi modules to perform real-time wireless network scanning and heatmap generation.**
- Enabled covert data collection **and improved surveillance accuracy by 30%,** supporting red teaming and wireless security audits.
- Delivered full functionality on **a $11 budget,** demonstrating resourceful engineering and cybersecurity innovation.

Programmer – *Statistical Visualizer Library,* *January 2023 – July 2023*

- Developed a Java library designed for graphical representation of complex data, improving data visualization and accessibility for users with minimal coding knowledge.
- Enabled users to easily interpret and analyse intricate datasets, leading to **a 30% increase** in **user engagement** and satisfaction with data insights.
- Implemented features that simplified data integration and visualization processes, **reducing** the time required for data interpretation **by 40%.**

Skills:

- **Security Analysis**: Vulnerability Assessment, Penetration Testing, Risk Assessment
- **Incident Response**: Threat Detection, Incident Management, Forensic Analysis
- **Tools & Technologies**: Nmap, Wireshark, Air crack-Ng, Nessus, Burp Suite
- **Soft Skills**: Teamwork, Logical Problem-solving, Effective Communication
- **Business Planning**: Strategic business plan development.
- **Administrative Skills**: Office management and communication.
- **Budget Analysis**: Financial planning and cost control.

Education:

B. Tech (Computer Science Engineering): 2020-2024

Specialization in Cyber Security and Forensics

Certifications:

Java Basic

Introduction to HTML5

Introduction to Cybersecurity Tools & Cyber Attacks

References:

Available upon request.