Neeraj Singh

Neerajlovecyber@gmail.com |+91 7988815263 | Linkedin | Github

Education

Lovely Professional University (Aug 2020 - Sep 2024) - ***CGPA:8.29***
B.Tech. in Computer Science and Engineering (CyberSecurity)
Relevant Coursework: Object Oriented Programming, Databases, Discrete Maths, Data Structures and Algorithms, Operating Systems, Computer Networks, CyberSecurity Essentials, Penetration Testing, Data Structures and Algorithms

Work Experience

xIoTz Private Limited, Bengaluru (Hybrid) (Nov 2024 – Present)

Cyber Security Intern

- Designed and implemented custom Wazuh Active Response modules to automate threat mitigation, significantly improving real-time incident handling across monitored infrastructure.
- Contributed to the development of a cyber assurance platform, integrating Wazuh and automation pipelines for enhanced threat detection and centralized security management.
- Performed core SOC operations such as alert triaging, log analysis, and incident response, supporting continuous threat monitoring and response.
- Conducted basic penetration testing on internal systems to proactively discover vulnerabilities and support secure development practices.

Frugal Testing , Hyderabad (Oct 2023 - Sep 2024)

SDET Intern

- Developed and executed automated test scripts using Selenium and TestNG for web and API testing in Java,increasing test coverage by 40%.
- Implemented CI/CD pipelines with GitHub Actions, reducing deployment time by 30% through automation.
- Conducted API automation testing using Postman and Rest Assured, applying robust validation techniques,improving test reliability by 50%.
- Identified and documented software defects using JIRA and Trello, leading to a 25%reduction in bug resolution
- Integrated Allure for detailed test reporting and automated notifications on Slack, using custom reporting templates, enhancing reporting efficiency by 25% time.
- Jenkins, JIRA, Trello, Allure, Java, Selenium, Appium, Jmeter

Gurugram Police (Jun 2021 - Jul 2021)

Security Intern

- Conducted penetration testing on networks and applications, using tools like BurpSuite, Nmap, and Metasploit to dis- cover and exploit security gaps.
- Improved documentation practices for vulnerability management and reporting, contributing to enhanced clarity and traceability of security incidents.

Skills

Languages: : Python, Java, C++, JavaScript, HTML, CSS, Bash Script

Technologies & Tools: Metasploit, BurpSuite, Nmap, JohnTheRipper, WireShark, Radare2, Hydra, Aircrack-ng,SQLMap, Nikto, W3af, Nessus, OpenVAS, Volatility, Autopsy, Ghidra, IDA Pro

Cybersecurity Skills: Vulnerability Assessment(VAPT), Network Security, Cryptography, Digital Forensics, CTF, Ethical Hacking

Cloud/Databases: MongoDb, Firebase, MySQL, DigitalOcean

Certifications

Certified Ethical Hacker (CEH) Practical

- Certified in the CEH Practical with score of 200/200 , further expanding expertise in ethical hacking techniques and real-world security testing.

eLearnSecurity Junior Penetration Tester

- Completed a 48-hour practical certification involving penetration testing of a network consisting of 5 labs, demonstrating hands-on expertise in identifying and exploiting vulnerabilities.
- Performed network vulnerability assessments, web application security testing, and exploitation of identified vulner- abilities.

Jr. Penetration Tester by TryHackMe

- Completed a structured learning path on penetration testing, including hands-on labs and challenges in different attack vectors.

Ranked in the top 2% on TryHackMe

Personal Projects

What's My Server Doing? : Crafted a tool for real-time server performance and log monitoring.

- Backend: Engineered with Go, efficiently tracks server RAM usage, CPU usage, and logs, delivering detailed insights into server performance, optimized for Linux systems.
- Seamlessly tracks multiple servers, views comprehensive statistics, and monitors logs.
- Technologies Used: Go, Tauri, Shadcn, Linux.

Ram Dump Tool : Designed a Memory Dumping Forensics Tool to extract volatile memory (RAM) contents.

- Technologies Used: Python, Rust, React, Winpmem, MongoDb.

OneClickRun : A multifunctional tool offering features like Jellyfin, aria2, and more in a single script.

- **My Contribution**: Added Hashcat functionality for easy online cracking using Google Colab notebook resources.
- Technologies Used: Shell Script, Hashcat, Colab, Aria2, Firefox