

PUGALARASAN K

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Professional Summary

A passionate cybersecurity enthusiast with hands-on experience in bug bounty and CTFs, possessing a solid understanding of Web, API, and Host penetration testing, vulnerability assessments, and Linux/Windows privilege escalation. Skilled in using tools like Nmap, Burp Suite, Metasploit, etc. Eager to leverage my expertise in contributing to proactive security efforts in a dynamic and growth-oriented environment.

Education

K. S. Rangasamy College of Technology

Nov. 2020 – May 2024

Bachelor of Engineering in Computer Science and Engineering / CGPA - 8.39

Tiruchengode, Tamil Nadu

Certifications

- Junior Penetration Tester (eJPT) - INE Security
- Certified AppSec Practitioner (CAP) - The SecOps Group
- Certified AppSec Pentester (CAPen) - The SecOps Group

Experience

Pentafox Technologies

Nov 2022 – January 2023

Software Engineer Intern

Remote

- Skilled in testing and securing API endpoints and web applications using Vulnerability Assessment and Penetration Testing techniques.
- Conducted comprehensive assessments to identify and mitigate vulnerabilities in API endpoints and web applications.
- Responsible for detecting and addressing potential security issues to enhance application protection and resilience.
- Skilled in testing for OWASP Top 10 vulnerabilities, such as SQL injection, broken authentication, etc. to enhance the security of API endpoints and web applications.

Projects

Subdomz | *Subdomain Enumeration Script*

- Developed a Bash script integrating various tools and online search engines such as Shodan, Censys, crt.sh, SecurityTrails, and more for comprehensive passive subdomain discovery.
- Enhanced functionality with active enumeration techniques, including subdomain bruteforcing, to complement passive discovery methods and ensure thorough coverage.
- Implemented capabilities to resolve discovered subdomains using an up-to-date and trusted source of DNS resolvers.

Knoxsser | *Wrapper around KNOXSS API*

- Developed a Bash script using the KNOXSS API for Cross-Site Scripting vulnerability scanning.
- Implemented error handling to track unscanned URLs and errored URLs, saved in a timestamped log file for review and resumption of scans.
- Integrated parallel scanning for quicker results, detailed API call tracking, and verbose output in the terminal.

Technical Skills

Languages: Bash, Python, SQL

Security Tools: Kali Linux, Metasploit Framework, Nmap, Burp Suite, Nessus, OWASP ZAP, SQLmap, Armitage, Nikto.

Technologies/Frameworks: Linux/Unix, Git and GitHub, OWASP Top 10, Networking and Protocols.

Core Skills: Vulnerability Assessment, Penetration Testing(Web, API, Host), Linux/Windows Privilege Escalation.

Achievements / Extracurricular

Bug Bounty Hunting

HackerOne/0xpugal

- Found security vulnerabilities and responsibly disclosing them, awarded with Monetary rewards, Goodies, and Hall of Fame. (Apple, Zoho, IBM, Cognizant, Affirm, and more...)

Open Source Contributions

Hacktoberfest 2022 and 2023

- Participated in Hacktoberfest competition by Contributing to Open source projects on GitHub and awarded with goodies and digital rewards.