PUGALARASAN K

Salem, Tamil Nadu

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Cyber Security Researcher with hands-on experience in Bug Bounties and CTFs, specializing in Vulnerability Assessment and Penetration Testing. Passionate about securing applications and eager to contribute to proactive security efforts in a dynamic environment.

Education

K. S. Rangasamy College of Technology   Nov. 2020 – May 2024
Bachelor of Engineering in Computer Science and Engineering / CGPA - 8.31   *Tiruchengode, Tamil Nadu*

Certifications

- Junior Penetration Tester (eJPT) - INE Security
- Certified AppSec Pratitioner (CAP) - The SecOps Group
- Certified AppSec Pentester (CAPen) - The SecOps Group
- INE Certified Cloud Associate (ICCA) - INE Security

Experience

PitoWings   Feb 2025 – Present
Cyber Security Engineer   *Coimbatore, Tamil Nadu, India*

- Conduct end-to-end Vulnerability Assessment and Penetration Testing (VAPT) on web applications, APIs, and cloud environments, identifying security flaws and recommending remediation strategies.
- Develop and automate security tools to streamline testing processes, generate detailed security reports, and collaborate with development teams to enhance application security.

Pentafox Technologies   Nov 2022 – Jan 2023
Software Engineer Intern   *Remote*

- Assisted in API security assessments by identifying vulnerabilities and documenting findings, contributing to improved application security.
- Gained hands-on experience in web security testing, utilizing various tools and methodologies to analyze and report potential security issues.

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.

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: Metasploit, Nmap, Burp Suite, Nessus, 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

Bug Bounty Hunting
HackerOne/0xpugal

- Found security vulnerabilities and responsibly disclosing them, and awarded with monetary rewards, Goodies, and Hall of Fames in companies like Apple, Zoho, IBM, Cognizant, Kubernetes and more.

Open Source Contributions
Hacktoberfest 2022, 2023, 2024

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