Satya Prakash

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Professional Summary

A Certified Ethical Hacker with 7 years of IT Experience, including 4 years in Vulnerability Assessment and Penetration Testing (VAPT) & Red Teaming Engagements. Proficient in conducting Web, API, Mobile, and Network Penetration Testing, Risk Assessments, and Incident Management. Skilled in OWASP Top 10, SANS Top 25, MITRE ATT&CK, OSINT, and Threat Intelligence. Hands-on experience with security tools like Burp Suite, Nuclei, OWASP ZAP, Nmap, Nexpose, Nessus, and Metasploit. Good background in ISO 27001, SAMA, NCA, and NIST Security Frameworks. Participated in various Bug Hunting and Responsible Disclosure Programs, reporting security vulnerabilities and assisting in their remediation. Received Hall of Fame recognitions, Swags, and Acknowledgements for my contributions to Bug Hunting.

Technical Skills

Penetration Testing: Web (SAST/DAST), API, Mobile (Android & iOS), Network Infrastructure

Security Tools: Burp Suite, Nuclei, OWASP ZAP, Nexpose, Nessus, Nmap, Metasploit, MobSF, Frida

Scripting & Development: Bash, Python, Go, YAML

Threat Intelligence & Risk Management: MITRE ATT&CK, OSINT, Dark Web Analysis

Cloud & Other Platforms: AWS, Azure, Google Cloud, GitHub, Jira

Regulatory Frameworks: ISO 27001, SAMA, NCA, NIST, ISO 31000

Operating Systems: Windows, Linux, Android & iOS

Certifications

CEH | *Certified Ethical Hacker - Practical (EC-Council)*
CNSS | *Certified Network Security Specialist (ICSI)*
CAP | *Certified AppSec Practitioner (The SecOps Group)*
CNSP | *Certified Network Security Practitioner (The SecOps Group)*
MITRE ATT&CK | *Foundations of Operationalizing MITRE ATT&CK (AttackIQ)*
CCSP-AWS | *Certified Cloud Security Practitioner - AWS (The SecOps Group)*
API Security | *API Security Fundamentals (APIsec University)*
NSE-1 | *Network Security Associate (Fortinet)*
Linux | *Fundamental Linux Administration (Cybrary)*

Experience

Technoval   Dec 2023 – Present
Penetration Tester & Risk Analyst   *Hyderabad, Telangana*

- Conducted Red Teaming engagements on critical client assets, testing endpoint security, firewall bypass techniques, insider threat simulations, and advanced adversary simulation techniques, including phishing, lateral movement, privilege escalation, and persistence tactics to test organizational defences.
- Delivered VAPT (Remote) and Risk Assessment (Onsite) projects for clients, identifying vulnerabilities and providing tailored security solutions.
- Led Security Awareness Training for employees, educating them on the latest security threats and best practices to mitigate risks.
- Utilized ChatGPT for tool development and automating VAPT report preparation, improving content quality and report generation efficiency.
- Performed comprehensive Web, API, Mobile, and Network Penetration Testing using WhiteBox, GreyBox, and BlackBox methodologies.

Vatins Apr 2023 – Oct 2023
Cyber Security Analyst *Hyderabad, Telangana*

- Led and executed Red Teaming engagements for external clients, simulating real-world attack scenarios to evaluate their security posture.
- Worked on Internal and External Penetration Testing activities on the client scope of assets and reported the findings with a detailed VAPT Report.
- Conducted the Onsite Internal Network Penetration Testing and Threat-hunting activities on the Local Law Enforcement Agencies.
- Delivered the security sessions to the local police departments over the latest emerging techniques on how to use Open-Source tools to find and retrieve the Information needed as part of their investigations.

MyNextFilm Sep 2022 – Feb 2023
Web Application Security Analyst *Hyderabad, Telangana*

- Worked on Internal and External Penetration Testing activities on the MyNextFilm website
- Reported the findings with a detailed VAPT Report and created the Jira tickets for each vulnerability with the Remediation steps.
- Co-ordinated with the developers in fixing the reported vulnerabilities.

CyberXchange Apr 2022 – Sep 2022
Cyber Security & Ethical Hacking *Hyderabad, Telangana*

- Gained hands-on experience in Web and Network Penetration Testing.
- Authored detailed VAPT reports, documenting security vulnerabilities and remediation steps.

Genpact Feb 2019 – Apr 2022
Process Developer *Hyderabad, Telangana*

- Worked as a Backend Technical support where we troubleshoot and resolve the issues related to the following but not limited to: 1. Web Pages, 2. Domains, 3. Hosting, 4. Email services, 5. Email marketing, 6. Website security, 7. SSL and 8. SEO services of GoDaddy.
- Worked on Facebook's SRT Tool to develop a Search Engine Platform for the Client.

EC-Council Jul 2017 – Aug 2018
Research Associate *Hyderabad, Telangana*

- Worked on Information Security projects and developed Courseware for Industry standard certifications like CEH, CND, and ECSA of EC-Council.
- Performed security assessment on iLabs and reported security vulnerabilities.

Education

Indira Gandhi National Open University (IGNOU) Jan 2020 – Jan 2021
Post Graduation Diploma in Information Security (Grade: 1st Class) *Hyderabad, Telangana*

DVR College of Engineering and Technology (JNTUH) Aug 2013 – Jun 2017
Bachelor of Technology in Information Technology (Grade: 2nd Class) *Hyderabad, Telangana*

Projects

Risk Assessment Onsite Project | *SAMA, NCA*

- Successfully delivered the Risk Assessment Project at the biggest insurance provider in Riyadh, Saudi Arabia.
- Conducted assessments based on the SAMA and NCA frameworks, aligning with the ISO 31000 standard.

NucleiFuzzer | *Bash, Go, Python*

- Developed NucleiFuzzer, an automated security testing tool that integrates Nuclei, Gauplus, Httpx, ParamSpider, Waybackurls, Katana, and Hakrawler for comprehensive security assessments.
- Enhanced fuzzing capabilities for web applications and APIs.

NetFuzzer | *Bash, Go, Python*

- Created NetFuzzer, a network security assessment tool for identifying vulnerabilities in network infrastructure.
- Automated scanning and reporting using Nmap, Smbclient, Rpcclient, and Nuclei scan.

Shodanizer | *Bash, Python*

- Designed Shodanizer, an automation tool for optimizing Shodan scans.
- Provided real-time threat intelligence by analyzing exposed assets and misconfigurations.