

Kayala Satya Prakash

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Professional Summary

Certified Ethical Hacker with 7 years of experience in IT Security, specializing in Vulnerability Assessment and Penetration Testing (VAPT) and Red Teaming engagements. Skilled in conducting Web, API, Mobile, Cloud, and Network Penetration Testing, as well as Threat Hunting, Risk Assessments, and Incident Management. Proficient in security methodologies including OWASP Top 10, SANS Top 25, MITRE ATT&CK, OSINT, and Threat Intelligence. Hands-on expertise with tools such as Burp Suite, OWASP ZAP, Nmap, Nuclei, Nexpose, Nessus, Wireshark, and Metasploit. Strong knowledge of security frameworks including ISO 27001, SAMA, NCA, and NIST. Active participant in Bug Bounty and Responsible Disclosure Programs, with multiple security vulnerabilities reported and remediated. Recognised in several Halls of Fame and awarded swags and acknowledgements for contributions to the security community.

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)*

NSE-1 | *Network Security Associate (Fortinet)*

CAP | *Certified AppSec Practitioner (The SecOps Group)*

CNSP | *Certified Network Security Practitioner (The SecOps Group)*

CCSP-AWS | *Certified Cloud Security Practitioner - AWS (The SecOps Group)*

API Security | *API Security Fundamentals (APIsec University)*

MITRE ATT&CK | *Foundations of Operationalizing MITRE ATT&CK (AttackIQ)*

ISO/IEC 27001 | *Information Security Associate™*

ISO 27001:2022 | *Internal Auditor*

Experience

Technoval

Penetration Tester & Risk Analyst

Dec 2023 – Present

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 Red Teaming engagements that simulated real-world attacks to assess client security posture and delivered detailed VAPT reports with remediation steps.
- Conducted internal and external penetration tests and threat-hunting for local law enforcement agencies.
- Delivered training sessions to local police departments on the latest emerging techniques using OSINT/open-source tools to support 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 - Digital Crime Unit (DCU)

Hyderabad, Telangana

- Maintained and enhanced the vulnerability management program, including scanning tools, reporting, and client communications.
- Investigated and triaged security threats and phishing incidents, escalating for further action and mitigation.
- Performed internal/external asset scans, reported vulnerabilities, and coordinated with developers for timely patching.

EC-Council

Jul 2017 – Aug 2018

Research Associate

Hyderabad, Telangana

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