

Hitesh Patra

+91 82491 72314 | hello@hiteshpatra.in | LinkedIn | Bangalore, India | Blog Site

ABOUT ME

Experienced IT Security Researcher with 3+ years of expertise in securing networks, web, mobile, and cloud platforms. Proven record of reporting 500+ vulnerabilities and advancing product security through threat modeling, penetration testing, and vulnerability research. Passionate about tackling complex security challenges and driving innovative solutions in a rapidly evolving threat landscape.

EXPERIENCE

Fortinet Technologies India Pvt. Ltd.

Nov. 2022 – Present

Security Researcher - II

Bengaluru, India

- Working on **FortiDAST** - Dynamic Application Security Testing tool.
- **Product Security Testing** - Web Application (DAST) and (SAST) for major Fortinet products.
- Vulnerability Research and Exploit development in Lua and Python to fit in Fortinet scripting engine (FSE) for **disclosed and undisclosed CVE's** based on **CVSS scoring**.
- **Analyzing recent impactful CVE's and implementing the detection of OBA (Outbreak Alert) in FortiDAST.**
- Hands-on **Threat Modelling** and **Secure Code Review** of multiple Fortinet products.
- Hands-on **Cloud Configuration Review on AWS, Azure** and **Network Architecture Review** for Fortinet Cloud products.
- Hands-on experience in **External Network Penetration Testing, API Review, Firewall Review, Secure code review.**
- Research on Fuzzer and crawler enhancements for efficient scanning and detection capabilities.
- Proficiently working with the development team to address security issues.
- Strong Management skills while handling multiple Comprehensive Security Review projects.

Deloitte Touche Tohmatsu India LLP

Nov. 2021 – Oct. 2022

Retainer Analyst

Mumbai, India

- Worked on **Risk Advisory, Cyber and Strategic Risk** domain.
- Hands on practical knowledge of **Vulnerability Assessment and VAPT of Web Applications and Android Applications (SAST and DAST)** in India's top financial banks.
- Hands on experience on **External Network Penetration Testing, REST API Review, Secure code review.**
- Has to carry out **Threat Modelling** for client applications.
- Has to carry out **Secure Network Architecture Review (SNA).**
- Has to carry out **Secure Configuration Review (SCR) and Firewall Review.**
- Has to carry out manual and automated testings.
- Consulting the clients with the best security measures and help them fix the vulnerabilities efficiently.
- Strong Management skills while handling multiple Comprehensive Security Review projects.

Hacktify Cybersecurity LLP.

May 2021 – Oct. 2021

Security Analyst Intern

Mumbai, India

- Worked on **Web Application Vulnerability Assessment and Penetration Testing.**
- Worked on **live simulation of Vulnerable Web Application Labs.**
- Built set of **vulnerable machines, CTF Challenges, VAPT reports and Cybersecurity blogs.**

VULNCON - Security Conference and Training (Community Driven)

Mar. 2020 – Present

Organizer

Bengaluru, India

- Conducting **Cybersecurity Training, CTFs, Conference and exhibition annually** in Bangalore.
- Conducting **International CTF contests** and **International Security Conference VULNCON in Bangalore, India.**
- Leading a strong and determined **team of more than 30 security professionals to make an impact within Infosec communities in India.**

SKILLS

Languages : Python, Lua, C++ , HTML/CSS, SQL (MySQL), C, Bash, Go, etc

Cloud/Networking : AWS, Azure, GCP, Docker, Vagrant, VMware ESXi, etc

Specialization : Network Pentest, DAST, SAST, Threat Modelling, Secure Network Architecture, Configuration Review, SSDLC, API Pentest, Linux, SELinux, System Hardening, Automation, etc

Security Tools : Fortify SCA, , Burp Suite, Nessus, Git, Metasploit, Nmap, mimikatz, Rubeus, adb, frida, objection, etc

PROJECTS

Trishul

- A day-to-day **Automation tool** for **bug bounties** written in Bash.
- Designed with **scope based** target selection like **small, medium, large scope**.

Subtaken

- Subdomain takeover tool which runs 24/7 to hunt for **Subdomain Takeover Vulnerability**.
- Being a Bash based tool, it is **fast and reliable**.

EDUCATION

Lovely Professional University - Graduation

Bachelor of Technology in Computer Science and Engineering

Aug. 2018 – July 2022

Punjab, India

CERTIFICATIONS

OffSec Certified Professional, OSCP

Offered By, OffSec

Apr. 2024

United States

Certified Red Team Professional, CRTP

Offered By, Altered Security

Sep. 2023

Singapore

eLearnSecurity Web Application Penetration Tester, eWPT

Offered By, INE

Dec. 2022

United States

NSD Certified Bug Bounty Researcher

Offered By, ISAC

Jan. 2022

India

Certified Ethical Hacker v11 - Practical

Offered By, EC-Council

Jan. 2022

United States

ACHIEVEMENTS

Patent - ASSET CRAWLING WITH INTERNET ARCHIVES FOR ENHANCED WEB APPLICATION SCANNING

US Patent Filed with No. FOR-474

Hall of fame from NCIIPC Govt. Of India, IKEA, Paykun, Soundcloud, etc

From BugCrowd, hackerone, VDPs

Top 10 in Hackerearth's Cybersecurity Problem Setter Challenge

HackerEarth: [Link](#)

Top 1000 in HackTheBox and Tryhackme global Leader-board

Top 10 in many CTF's

[Link](#)