

# Hemant Patidar

Senior Application Security Engineer | Security Researcher

Email: [hemantpatidar1337@gmail.com](mailto:hemantpatidar1337@gmail.com) | [linkedin.com/in/hemantsolo/](https://www.linkedin.com/in/hemantsolo/) | [hemantsolo.in](https://hemantsolo.in)

Madhya Pradesh, India | Phone: +91-8085680812

## PROFESSIONAL SUMMARY

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Senior Application Security Engineer and Security Researcher with 5+ years of hands-on experience in penetration testing and vulnerability research across Web, API, Mobile (Android & iOS), Network, and Cloud environments. Strong expertise in source code review, Software Composition Analysis (SCA), reachability analysis, and advanced security testing techniques including SAST and DAST. Proven track record of discovering critical vulnerabilities and 0-day issues in open-source and enterprise systems, with recognitions from Google, Apple, U.S. Department of Defense, and other global organizations.

## EXPERIENCE

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### Senior Security Researcher LoginSoft | Hyderabad, INDIA

May 2022 – Present

- ❖ Conduct advanced vulnerability research on large-scale open-source and enterprise software across multiple programming languages including Java, JavaScript, C/C++, Python, PHP, Go, Ruby, and iOS ecosystems.
- ❖ Performed SAST, DAST, SCA, and reachability analysis to identify critical, high, and medium-risk security issues, including 0-day and previously untracked vulnerabilities.
- ❖ Validate exploitability and real-world impact to reduce false positives and improve vulnerability accuracy.
- ❖ Lead vulnerability research activities, customer escalations, documentation, and coordination with internal and external stakeholders.
- ❖ Mentor junior researchers and review security findings to ensure high-quality technical reporting.

### Cyber Security Consultant Securelayer7 | Pune, INDIA

Sep 2021 – Nov 2021

- ❖ Performed black-box, grey-box, and white-box penetration testing for web applications, APIs, Android applications, and internal/external infrastructure.
- ❖ Delivered detailed vulnerability assessment reports including risk ratings, exploitation details, and remediation guidance.

### Application Security Intern Netstar Overseas Software Services India LLP

July 2021 – July 2021

- ❖ Conducted web/api penetration testing and assisted in vulnerability reporting and documentation.

### Cyber Security Engineer Intern IsmileTechnologies, Chicago, Illinois, United States.

June 2020 – Aug 2020

- ❖ Received training in Professional Cloud Architecture and cloud security fundamentals.
- ❖ Conducted security assessments for Google Cloud Platform (GCP) and AWS environments.
- ❖ Prepared high-level security architecture, Cloud Control Matrix (CCM), and hardening guidelines for GCP components.
- ❖ Authored technical blogs focused on cloud security best practices.

## ACADEMICS

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### B.Tech - Civil Engineering | SRMIST, Chennai

May 2018-22

- ❖ Network Security & Penetration Testing, IT Laws & Ethics, Security Fundamentals.
- ❖ Programming, Cloud Security, Cryptography, CTF.

### Higher Secondary – Science & Mathematics Himalaya International School | Ratlam, Madhya Pradesh, India

April 2016-17

- ❖ Passed out with First class grade. Activities: Basketball - Division Level Player • Chess - District Level Player • Won several athletic competitions at school level and district level including - Swimming, Running, Shot-Put.

## AWARDS AND ACHIEVEMENTS

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- ❖ Reported **5,000+ validated vulnerabilities** ranging from critical (S1) to low severity (S4) across global organizations and achieved Reward (Bounty & Swag), Appreciation Letter and Hall of Fame.
- ❖ Earned **Hall of Fame** and monetary rewards from **Google** (7 vulnerabilities) and **Apple** (10+ vulnerabilities).
- ❖ Awarded **Researcher of the Month** by the **U.S. Department of Defense** for reporting 30+ valid vulnerabilities in a

single month with Critical, High, and Medium severity bugs.

- ❖ Recognized as **Top 15 Security Researcher** by **NCIIPC (Government of India)**.
- ❖ Hall of Fame acknowledgments from organizations including WordPress, Paytm, Cisco, Mastercard, OYO, SoundCloud, KFC, Redox, and others.
- ❖ Independent Security Researcher on Synack, HackerOne, Bugcrowd (Top 800), and Yogosha (All-Time Top 10).
- ❖ Mentored **50,000+ cybersecurity enthusiasts** in penetration testing and bug bounty programs.
- ❖ I have been selected as one of the top hackers to represent **Yogosha** all sponsored **RootedCon Live CTF (Spain – 2022, 2023)** and **GISEC 2022 (Dubai)**

## CERTIFICATIONS

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- ❖ Web Application Penetration Tester eXtreme (eWPTXv2) – INE
- ❖ Certified Professional Penetration Tester (eCPPTv2) – INE
- ❖ Certified Ethical Hacker (CEH Master) – EC-Council
- ❖ Junior Penetration Tester (eJPT) – INE FKA eLearnSecurity
- ❖ Certified AppSec Pentester (CAPen), Certified AppSec Practitioner (CAP), Certified Network Security Practitioner (CNSP) – The SecOps Group
- ❖ Mobile Application Penetration Testing
- ❖ Ethical Hacking – IIT Kharagpur (NPTEL)

## PUBLICATIONS

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- ❖ Cisco Webex Meetings – Reflected XSS (CSCvu17992)
- ❖ Published **12 CVEs** via MITRE, including CVE-2020-24609, CVE-2020-29228, CVE-2020-29230, and others.
- ❖ Published 8 Exploits on Exploit Database: <https://www.exploit-db.com/?author=10556>
- ❖ Published 5 Google Dork in Google Hacking Database: <https://www.exploit-db.com/google-hacking-database?author=10556#>
- ❖ Technical blogs published on InfoSec Write-ups (Medium) | [hemantsolo.medium.com](https://hemantsolo.medium.com)

## Projects

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- ❖ AppCrasher – Security Automation Framework
  - Built a modular framework to automate web reconnaissance and vulnerability scanning.
  - Automated detection of web application vulnerabilities using industry-standard security tools.
- ❖ Code Evolution Tracker - Developed a tool to track codebase changes across multiple ecosystems to support security reviews and risk analysis.
- ❖ Conducted security assessments for academic web applications using Nessus, Burp Suite, and Kali Linux aligned with OWASP Top 10.
- ❖ Completed multiple live CTF challenges on Hack The Box, successfully compromising 10+ machines.

## TECHNICAL SKILLS

- ❖ Penetration Testing & AppSec
  - Web, API, Mobile (Android & iOS), Network, and Cloud Security Testing
  - Black-box, Grey-box, and White-box Testing
  - Source Code Review, SCA, Reachability Analysis

Software/Network Tools	Wireshark, Nessus, Acunetix, Shodan, OSINT Framework, Postman, MobSF
Cyber Security Tools	Burp Suite, Sqlmap, fuzzers, Nmap, Metasploit, Dirb, DirBuster, Searchsploit, John the Ripper, Hydra, Nikto, HashCat, Nuclei, Netcat, Checkmarx, Semgrep, Veracode etc.
Programming Language	Python, HTML, Bash Script and C
Operating System	Kali Linux, Ubuntu, Parrot OS, Windows, macOS
Web application and Android penetration testing skills	OWASP TOP 10, SANS TOP 25, Command Injection, RCE, LFI, XSS, SQL Injection, IDOR, Rate Limiting, CORS, Host Header Injection, OAuth, File Upload, Session Issues, Server Misconfiguration, Email Misconfiguration (SPF/DMARC), Account Take Over by JWT Token, Unauthorized Access Control, Business Logic Flows, Click Jacking, OTP Bypass, 2FA Bypass, and related business logic vulnerabilities.

**REFERENCES:** Available upon request

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