

# Sanidhya Soni

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## Core Skills

- **Application Security:** Source Code Review, Threat Modeling, Security Testing Automation, Vulnerability research, OWASP Top 10
- **Programming Languages:** Python, Java, PHP, JavaScript, Bash
- **Cloud & Infrastructure:** AWS Security, Docker, Kubernetes, Terraform
- **Security Tools:** BurpSuite, Cobalt Strike, Sliver C2, Impacket, Security Onion, ELK stack, OWASP ZAP
- **Soft Skills:** Report Writing, Client Engagement, Stakeholder collaboration, Mentorship

## Professional Experience

<b>Security Consultant   Independent Contractor</b>	Oct 2022 – Present
<ul style="list-style-type: none"><li>Delivered penetration testing and red-team services to <b>60+</b> clients across <b>34 countries</b>. Conducted <b>manual web and mobile app pentests</b>, cloud security reviews, and adversarial campaigns</li><li>Led social engineering campaigns targeting <b>12,000+</b> employees across 15 organizations, achieving <b>10-15% compromise rate</b> and identifying <b>security gaps in 85%</b> of tested environments</li></ul>	
<b>Security Engineer Intern   Indian Army</b>	Nov 2024 – Jan 2025
<ul style="list-style-type: none"><li>Led red-team adversarial simulations for the Indian Army covering 55+ APT vectors, delivering technical reports that <b>influenced security posture at national level</b>.</li><li>Conducted research and analysis in offensive security to support military operations</li></ul>	
<b>Security Engineer Intern   CyberWarfare Labs</b>	Jan 2024 – Jul 2024
<ul style="list-style-type: none"><li>Developed 25+ realistic exploitation challenges (priv-esc, reverse engineering, web app). Hardened CTF infrastructure with Docker, <b>reducing deployment time 30%</b> and ensuring consistent testing environments.</li><li>Conducted internal penetration tests on on-premise security labs, identifying misconfigurations and <b>improving operational stability by 70%</b>.</li><li>Designed an Android penetration testing and exploitation course framework aligned with all 6 core OWASP MASVS standards</li></ul>	

## Certifications

- OffSec Certified Professional (OSCP) - OffSec, 2023
- OffSec Wireless Professional (OWSP) - OffSec, 2023

## Notable Achievements

- **Bug Bounties & Recognition:** PhysicsWallah, Talent.com, airtame.com, IndiaMart, NCIIPC (Govt. of India)
- **Competition Wins(CTFs):** Indian Army, EY Security Hackathon, NTRO (Govt. of India), DSCI Embedded Security, TrustLab IIT Bombay, IIT Madras, IIT Roorkee, IIT Patna, BITS Hyderabad

## Key Projects & Contributions

- **Leadership** - Leading a team of 65 members as the **President of OWASP Foundation VIT Bhopal Chapter**
- **Workshop Speaker** - Delivered cybersecurity training to **300+** university students at JECRC University.
- **Security Conference** - Created realistic CTF challenges for Vulncon, BSides Mumbai, and BSides Indore that incorporate memory analysis, network forensics, steganography, and disk forensics
- **Automated IoT Scanning & Exploitation Framework (AISE)** - Automated vulnerability discovery & exploitation capabilities. Discovering **250+ critical vulnerabilities** with **<5% FP rate**.

**Tech Stack:** Python, Docker, SQLite3, Redis, Rustscan, Nmap, Shodan, Censys, Hydra

## Education

**B.Tech in Computer Science Engineering (Cyber Security & Digital Forensics)** 2022 – 2026 (expected)  
*VIT Bhopal University*

- **Relevant Coursework:** AWS Cloud Practitioner, AWS Solutions Architect, Software Vulnerability Testing, Network Security, Cyber Security Frameworks