

# Sanidhya Soni

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## Core Skills

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- **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

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**Security Consultant | Independent Contractor** Oct 2022 – Present

- Delivered penetration testing and red-team **services to 60+ clients across 34 countries**. Conducted **manual web and mobile app pentests**, cloud security reviews, and adversarial campaigns
- Led social engineering campaigns targeting **12,000+ employees** across 15 organizations, achieving **10-15% compromise rate** and identifying **security gaps in 85%** of tested environments

**Security Engineer Intern | Indian Army** Nov 2024 – Jan 2025

- Led red-team adversarial simulations for the Indian Army covering 55+ APT vectors, delivering technical reports that **influenced security posture at national level**.
- Conducted research and analysis in offensive security to support military operations

**Security Engineer Intern | CyberWarfare Labs** Jan 2024 – Jul 2024

- Developed 25+ realistic exploitation challenges (priv-esc, reverse engineering, web app). Hardened CTF infrastructure with Docker, **reducing deployment time 30%** and ensuring consistent testing environments.
- Conducted internal penetration tests on on-premise security labs, identifying misconfigurations and **improving operational stability by 70%**.
- Designed an Android penetration testing and exploitation course framework aligned with all 6 core OWASP MASVS standards

## Certifications

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

## Notable Achievements

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- **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

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- **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

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**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