Siddharth Singh

Vulnerability Assessment & Penetration Testing

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EDUCATION

M.Tech(Cyber Security and Digital Forensics)

Vellore Institute of Technology, Bhopal

2023 - 2025 CGPA: 9.40

B.Tech(CSE)

JECRC University, Jaipur

2018 - 2022 CGPA: 8.43

WORK EXPERIENCE

Cybersecurity Research Intern SISTMR

02/2022 - 03/2022

Australia (Virtual)

Delhi, INDIA

Achievements/Tasks

- Conducted research on real-world cyber threats.
- Developed an understanding of various cyber threats.
- Analyzed security incidents resulting from cyber-attacks.
- Worked and gained hands-on experience with security tools like Burpsuit, Nmap, and Wireshark.

Web Developer Intern

Sarvadaksh Event Solutions Pvt. Ltd

01/2022 - 07/2022

Achievements/Tasks

- Functioned as a front-end developer for the team.
- Worked with various web development frameworks.
- Assisted in troubleshooting issues on web-based systems.
- Learned how to work effectively in a team.

CERTIFICATES

Certified Ethical Hacker(CEHv12) (11/2024 - 12/2025)

Jr. Penetration Tester (08/2024)

by TryHackMe

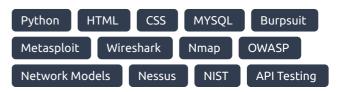
Security Automation with Ansible (10/2023)

by EC-Council

Penetration Testing, Incident Response, and Forensics (03/2022)

by IBM

SKILLS



PERSONAL PROJECTS

VAmPI - API Penetration Testing (03/2025)

- Tested VAmPI, identifying OWASP API Top 10 vulnerabilities like BOLA, Mass Assignment, and Security Misconfiguration.
- Used Burp Suite, Postman, FFuf, and JWT attacks for API analysis and exploitation.
- Documented findings with mitigation strategies to improve API security.
- Link

AUTOQL: SQL Injection Testing Tool (08/2024 - Ongoing)

- Designed AUTOQL, a Python-based tool for automating SQL injection testing.
- Implemented dynamic payload support, multi-threading, and comprehensive logging. Enhanced vulnerability detection and assessment in penetration testing.
- LINK

ADVANCE KEYLOGGER (03/2024 - 04/2024)

- Developed a Python-based keylogger with system informationgathering capabilities.
- Automated data exfiltration via email for cybersecurity testing purposes.
- Captured up to 800 keystrokes per minute and system snapshots at regular intervals.
- LINK.

LEXUS (03/2022 - 07/2022)

- Lexus is a visually appealing, responsive e-commerce site for the fashion industry.
- Technology: HTML, CSS, Bootstrap.
- LINK

EXTRA-CURRICULAR

TryHackMe

(Top 3%)

Cyber Apocalypse CTF by HTB, (2022)

Global Rank 1742

HackTheBox

CTF Player

INTERESTS & HOBBIES

CTF Video Games Formula 1 Gardening