

SUJAL SAHU

+91 7898388516 sahusujal.dev2004@gmail.com [linkedin.com/in/sujal-sahu/](https://www.linkedin.com/in/sujal-sahu/)

Technical Skills

Languages and DataBases: Java, Python, SQL

Frameworks : Burpsuite, Metasploit, OWASP TOP 10, VAPT, Penetration Testing

Tools : Nmap, Hydra, Sqlmap, Nikto, Wireshark, John the ripper, Git

Platforms : TryHackMe, HackTheBox, Portswigger

Soft Skills : Report Writing, Excellent Communication, Team Management

Experience/Projects

Safe Your Web Pvt. Ltb

April 2024 – June 2024

Penetration Testing Intern

Remote, India

- **Performed over 10+ vulnerability assessments** and delivered detailed reports. Worked with developers to implement **mitigation strategies** that improved application and network security by **30%**.
- **Discovered security vulnerabilities in 5+ networks** by using automated tools like **Nmap** and **Masscan**, and conducted **5+ manual scans** for in-depth threat analysis, reducing network vulnerabilities by **25%**.
- **Identified and reported 20+ critical bugs** across client websites through **automated vulnerability scanning** and **manual exploitation** with **Burp Suite**, leading to a **40% decrease** in exploit risks.

SoloSecurities Pvt. Ltb

Oct 2024 – Nov 2024

VAPT Intern

Remote, India

- Conducting **Vulnerability Assessments** on various open-source CRMs like **Dropple**, **Joomla**, and **OpenCart**.
- Maintaining **penetration testing checklists** and analyzing multiple **Proof of Concepts (PoCs)**.
- Researching and authoring technical articles on **vulnerabilities** to contribute to organizational knowledge.

Personal Projects

ML Based Web Application Firewall, *Technologies Used: Django, TensorFlow, Scrapy, Requests*

Sep 2024 - Present

- **Model Trained on 350k+ Payloads:** Developed an ML-based WAF by training the model on over 50,000 payloads for each vulnerability (SQLi, XSS, SSRF, etc.), achieving a robust learning dataset of 350,000+ payloads in total for accurate threat detection.
- **Achieved 60% Detection Accuracy:** Achieved 60% accuracy in detecting multiple web vulnerabilities, demonstrating effective performance in real-time analysis of HTTP requests for malicious exploitation patterns.

Education

JabalpurEngineering College, RGPV university

Aug 2023 – Sep 2026

B.Tech In AIDS, (7.12 SGPA)

Jabalpur, Madhya Pradesh

Govt. Polytechnic College, RGPV university

Sep 2020 – April 2023

Diploma In CSE, (8.54 CGPA)

Hosangabad, Madhya Pradesh

Certification / Awards & Achievements

Jr Pentester By Tryhackme

March 2024

- Gained hands-on experience in **offensive security**, mastering vulnerability exploitation (**IDOR**, **SQLi**, **XSS**) and tools like **Burp Suite**, **Metasploit**, and **Nmap** for **network reconnaissance**.
- Developed strong skills in both active and **passive recon**, **advanced port scanning**, and **privilege escalation** on Linux and Windows through real-world pentesting techniques.

Pre Security By Tryhackme

March 2024

- Gained foundational knowledge of networking concepts, including **LAN**, **OSI model**, **DNS**, and **HTTP**, with a focus on **packet/frame analysis** and network extension.
- Developed essential skills in **Linux** and Windows fundamentals, understanding **system architecture** and command-line operations for **security** purposes.

Web Fundamentals By Tryhackme

Feb 2024

- Mastered core web technologies like **DNS** and **HTTP**, using **Burp Suite** to exploit **OWASP Top 10** vulnerabilities including **XSS**, **SQLi**, and **SSRF**.
- Developed expertise in exploiting vulnerabilities such as **IDOR**, **command injection**, and **file inclusion** through real-world scenarios.