

# SUJAL SAHU

+91 7898388516 [sahusujal795@gmail.com](mailto:sahusujal795@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, Django

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

**Platforms :** TryHackMe, HackTheBox, Portswigger, Bugcrowd

**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.
- Followed the **OWASP Top 10 framework** to systematically assess application vulnerabilities, ensuring industry-standard security practices were adhered to.
- Collaborated with the development team to apply **security patches** and fixes for **10+ Vulnerabilities**, enhancing security levels and reducing potential breaches by **25%**.
- Orchestrated training sessions on **network security** best practices and vulnerability exploitation techniques, equipping 20+ team members with hands-on skills and fostering a culture of **security awareness** across the organization.

## 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

**Jabalpur Engineering 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.