# SUJAL SAHU
## Cloud Security Engineer & Pentester

sahusujal.dev2004@gmail.com

7898388516

Bhopal, India

sujal-protfolio-website-woad.vercel.app

Security-focused professional with proven experience in **Web/Network VAPT, Cloud Security, and DevSecOps pipelines** . Skilled at reducing cloud attack surfaces, automating security workflows, and aligning DevOps practices with enterprise-grade security.

## EDUCATION

### Bachelor of Technology in AI&DS Engineering
Jabalpur Engineering College

*07/2023 - Present*                    *7.48 CGPA*

*Btech*
- Artificial Intelligence & Data Science (AI & DS)

### Diploma in Computer Science Engineering
Rajiv Gandhi Proudyogiki Vishwavidyalaya

*07/2020 - 06/2023*                    *8.54 CGPA*

*Courses*
- Computer Science

## WORK EXPERIENCE

### VAPT Intern
CyberSmithSecure Pvt. Ltd

*02/2025 - Present*                    *Mumbai, Hybrid*

*Achievements/Tasks*
- Executed **VAPT on 20+ enterprise-scale apps** for clients including **AngleOne, Dainik Bhaskar, and Atlas**, identifying **100+ critical issues** (RCE, SQLi, SSRF, XSS).
- Created **CVSS-based reports** with PoCs and fixes, improving remediation efficiency and visibility.
- Reviewed **cloud IAM setups**, fixing misconfigs and privilege escalations to enhance cloud security posture.

### DevOps & Operations Intern
MPDET x Global Investors Summit 2025

*01/2025 - 02/2025*                    *Bhopal, India*

*Achievements/Tasks*
- Built and managed **CI/CD pipelines** for automated deployments.
- Deployed apps on **high-availability servers with disaster recovery & 99.9% uptime**.
- Strengthened delivery through secure DevOps practices.

### VAPT Intern
SoloSecurities Pvt. Ltd

*10/2024 - 11/2024*                    *Indore, Remote*

*Achievements/Tasks*
- Performed **VAPT on open-source CRMs** (Joomla, OpenCart, Drupal).
- Developed PoCs and maintained structured testing documentation.
- Authored internal blogs on vulnerability trends for knowledge sharing.

### Security Analyst Intern
Safe Your Web Pvt. Ltd.

*04/2024 - 06/2024*                    *Delhi, Remote*

*Achievements/Tasks*
- Conducted **10+ app/network assessments**, reducing vulnerabilities by 30%.
- Reported 20+ bugs using **Burp Suite, OWASP ZAP, SQLMap, Nmap, Masscan**.
- Detected and resolved misconfigurations in live deployments.

## SKILLS

Burp Suite   SQLMap   OWASP   AWS   Web Penetration Testing   Report writing   Kali Linux   Communication Skills   Docker   CI/CD   Git & Github   Nmap   Bash Scripting   Operating Systems   Network Security   Automation

## PERSONAL PROJECTS

**Real-Time Tracking System (Collaboration with Jabalpur Cyber Police)**
- **Collaborated with:** Jabalpur Cyber Police.
- Designed and deployed a **secure AWS infrastructure** (EC2, Docker, Nginx) with **endpoint hardening** and access controls.
- Implemented **role-based security policies** for officer/admin access management.
- Automated deployment workflows with **CI/CD pipelines**, ensuring system reliability and faster updates.
- Integrated **real-time monitoring & logging** for threat visibility and incident response readiness.

**Machine Learning-Based WAF (Academic Project)**
- Built a **custom ML-driven WAF** trained on **150,000+ malicious payloads** to detect SQLi, XSS, Command Injection, and Path Traversal attacks.
- Achieved **90%+ detection accuracy** across OWASP Top 10 threats using **ensemble ML models**.
- Deployed as a **reverse proxy** to secure backend APIs and integrated into DevOps workflows.
- Reduced application **attack surface by 40%** after full-scale deployment.

**Full-Stack Cloud Deployment with CI/CD & WAF (Freelance)**
- Architected a **secure AWS infrastructure** with Load Balancer, Auto Scaling, isolated DB servers, and **S3 backup automation** for resilience.
- Deployed **Cloudflare DNS with DDoS protection** and enforced **custom WAF rules** for traffic filtering and rate limiting.
- Automated **CI/CD pipelines** to enable security-focused deployments and infrastructure updates.
- Hardened **Nginx reverse proxy** and backend services against OWASP Top 10 vulnerabilities (SSRF, path traversal, authentication bypass).
- Live at www.lexiai.in .

## CERTIFICATES

**Jr Pentester By Tryhackme (05/2024 - 06/2024)**
*Offensive security hands-on labs covering vulnerability exploitation (IDOR, SQLi, XSS), and privilege escalation on Linux/Windows using Burp Suite, Metasploit, and Nmap.*

**Pre Security By TryHackMe (04/2024 - 05/2024)**
*Built foundational cybersecurity knowledge focusing on networking and Linux/Windows command-line basics essential for further infosec learning.*

**Web Fundamentals By TryHackMe (02/2024 - 03/2024)**
*Gained practical experience in web application security by exploiting OWASP Top 10 issues (XSS, SQLi, SSRF) and other flaws using Burp Suite and real-world labs.*

## LANGUAGES

English
*Full Professional Proficiency*

Hindi
*Native or Bilingual Proficiency*