

Jay Singhvi

Cybersecurity Analyst / Web Developer

Udaipur, Rajasthan, India
+91 94689 25294
jaysinghvi54@gmail.com
jay04portfolio.netlify.app
Jaysinghvi-04
in jay-singhvi-9498a1339

Professional Summary

Cybersecurity Analyst and Red Hat Certified System Administrator (RHCSA) with a specialized focus on Network Security, System Hardening, and Penetration Testing. Demonstrated expertise in orchestrating secure Linux environments, automating vulnerability assessments using Python/Bash, and managing complex CTF infrastructures.

Technical Skills

| | |
|---------------------|---|
| Cybersecurity Tools | Nmap, Burp Suite, Metasploit, Wireshark, Hydra |
| Operating Systems | Red Hat Enterprise Linux (RHEL), Kali Linux, Ubuntu |
| Programming | Python, Bash Scripting, SQL, .NET Framework |
| Networking | TCP/IP, OSI Model, DNS, DHCP, SSH |
| Creative & Design | Designing, Video Editing, Blender (3D Modeling) |

Experience & Leadership

- 2025 **Event Organizer, TryDec CTF (Capture The Flag), Udaipur**
- Organized a college-level CTF competition focused on Web Exploitation and Cryptography.
 - Designed custom challenges involving steganography and SQL injection.
 - Managed the event logistics and mentored participants on security tools and methodologies.

Key Projects

Cybersecurity & Network Engineering

- 2025 **TryDec CTF Environment, Linux Administration**
- Created and configured a custom Linux environment to host cybersecurity challenges.
 - Designed system architecture to securely deploy interactive questions and isolate participant sessions.
- 2025 **Cyber-Secure Mailer & Simulation Tool, Python/Flask, Network Security**
- Built a Python/Flask application for bulk email automation and social engineering simulations.
 - Implemented advanced security features including Brute-force protection and Honeypot intrusion detection.
 - Integrated detailed Forensic Audit Logging to track and analyze system activity.

- 2025 **Cloud Misconfiguration Scanner**, *Python, Cloud Security*
- Developed a Python-based tool to detect common security misconfigurations in cloud environments.
 - Automated the auditing process for S3 buckets and IAM policies to identify public access risks.
- 2025 **Network Port Scanner**, *Python, Networking*
- Created a multi-threaded port scanner using Python's socket library to identify open ports and services.
 - Optimized scanning speed and implemented banner grabbing for OS detection.
- Web Development & Design
- 2025 **PROJO - Project Management Tool**, *Web Development & Security*
- Built a collaborative project management platform with secure user authentication.
 - Implemented role-based access control (RBAC) to ensure data privacy between team members.
- 2024 **Inventory Management System**, *Full Stack Development (.NET/SQL)*
- Designed and developed a web application for efficient inventory management.
 - Built both frontend and backend architectures to manage the relationship between the user interface and the SQL database.

Education

- 2023–2027 **Bachelor of Technology in Computer Science and Engineering**, *Techno India NJR Institute of Technology*, Udaipur
Focus: System Security and Network Administration.

2009–2023 **Senior Secondary Schooling**, *St. Paul's Sr. Sec. School*, Udaipur

Certifications

- 2024 **Red Hat Certified System Administrator (RHCSA)**, *Red Hat*

Languages

- English Professional Proficiency
Hindi Native Proficiency