

Vishal Rathod

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Education

Dayananda Sagar College of Engineering, B.E. in Computer Science (Cyber-Sec)	Present
Sharnbasveshwar College of Science, P.U.C. - 88%	2022
Mahatma Gandhi High School, SSLC - 74%	2020

Skills

- **Programming Languages:** C, C++, Python
- **Web and Database:** HTML, CSS, MySQL
- **Cybersecurity Tools:** Nmap, Burp Suite, Metasploit, Hashcat, Gobuster, Hydra
- **Operating Systems:** Linux (e.g., Ubuntu, Kali Linux) for cybersecurity and networking tasks
- **Networking and Security:** computer networking and **penetration testing**
- **DevOps and Infrastructure as Code:** Terraform, AWS

Projects

Intrusion Detection System with Suricata, Zeek, ELK Stack [\[GitHub\]](#)

- Built a host/network-based intrusion detection system using Suricata, Zeek, Filebeat, Elasticsearch, and Kibana.
- Integrated real-time traffic monitoring, alert generation, and log analysis through a centralized ELK dashboard.
- Configured parsing and log shipping pipelines for Suricata and Zeek outputs using Filebeat modules.
- Designed custom dashboards in Kibana to visualize alerts, traffic flows, and potential attack patterns.

Infrastructure Automation with Terraform [\[GitHub\]](#)

- Built a complete AWS infrastructure using Terraform, including VPC, public/private subnets, route tables, internet gateway, and EC2 instances.
- Automated provisioning of secure and scalable environments with custom security groups, key pairs, and variable configurations.
- Configured private and public subnets to enable multi-tier architecture and controlled access using NAT and IGW setups.
- Employed Terraform modules and state management for reusable and consistent cloud resource deployments.

Achievements & Certification

- **eJPT Certified** – Proficient in penetration testing, ethical hacking, and network security.
- **Top 3% on TryHackMe** with a Junior Penetration Testing certification.
- **Pre-Security (TryHackMe)** – Basics of networking, Linux, and web security.
- **Web Fundamentals (TryHackMe)** – Core web technologies with a security focus.