Prachi Oza

✉ prachi.oza92@gmail.com   in linkedin.com/in/prachi-oza   🌐 prachi-oza.github.io

WORK EXPERIENCE

Bonum Technologies LLC   **Aug 2023 – Dec 2024**
Security Engineer   *Remote, TX*

- Monitored and optimized security solutions, including IDS/IPS and SIEM systems, ensuring an enhanced IT and cloud infrastructure.
- Spearheaded the procurement of the ISO 27001 certification, aiming to establish a robust information security management system; reviewed the company's SOC 2 report.
- Contributed to maintaining and enforcing of security policies to ensure compliance with industry standards and regulations.
- Executed vulnerability assessments using OWASP ZAP, Burp Suite, and Nmap to mitigate risks.
- Collaborated with stakeholders to ensure effective communication and resolution of security issues.

Network Specialist Intern   **Jul 2022 – Aug 2022**

- Conducted daily monitoring of company's network server and infrastructure- including firewall and network configurations.
- Assisted in reviewing and analyzing server configurations, resulting in a 15% increase in uptime.
- Performed security baseline audits, identifying gaps and improving system reliability by 45%.

Feynman Technology Pvt. Ltd.   **Jun 2020 – May 2021**
Apprentice Software Engineer   *Gujarat, India*

- Developed and optimized key modules of the company's user authentication system, implementing token-based authentication, reducing login times by 25%.
- Built scalable web applications and optimized back-end database infrastructure to enhance system performance.
- Integrated security practices into the SDLC, addressing vulnerabilities like misconfigurations and injection flaws.

Proclink Consulting Services LLP   **Jan 2020 – Jun 2020**
Cybersecurity Intern   *Gujarat, India*

- Developed custom vulnerability scanner using Python and Kali Linux, identifying critical vulnerabilities in ICSs.
- Conducted penetration tests to exploit vulnerabilities and assess system resilience, improving overall security posture by 40%.
- Delivered detailed compliance reports with recommendations, leading to actionable improvements in system security.

PROJECTS

Secure Code Review | *Mitre CWE, SonarQube, Vulnerability Assessment, Git*

- Detected 10+ OWASP Top Ten vulnerabilities in a consumer-ready software application using Mitre CWE, SonarQube, Snyk, and Roslyn analyzer; using Docker to initialize analyzer.
- Mapped findings to compliance benchmarks, providing actionable recommendations that enhanced system security by 70%.

Cloud Migration | *AWS Security*

- Designed and implemented a cloud security migration strategy for a medium-sized business, incorporating AWS EC2, VPCs, Load Balancers, and security groups.
- Configured AWS WAF, implementing firewall rules, to simulate real-world cloud security requirements.

CERTIFICATIONS

- **CompTIA** - Security+ SY0701 (In Progress)
- **AWS** - Certified Cloud Practitioner (In Progress)
- **Splunk** - Splunk 7.x Fundamentals

TECHNICAL SKILLS

Languages: Python, C, C#, PowerShell, Bash
Frameworks & Standards: Wireshark, Docker, PCI-DSS, NIST, ISO 27000 Series, AWS
Tools & Technologies: Nmap, Metasploit, BurpSuite, Nessus, Splunk, SonarQube, Git, Docker, Jenkins
Security: Cloud Security, Compliance, Incident Handling, VPNs, Threat Modeling, VAPT, Network Security, IAM

EDUCATION

University of Maryland   *College Park, Maryland*
Master of Engineering in Cybersecurity, GPA: 3.9   **Aug 2021 – May 2023**

Nirma University   *Ahmedabad, India*
Bachelor of Technology in Computer Engineering   **Sept 2016 – June 2020**