

Madhu Sudan Sathujoda

+91 9347379566 | madhusudansathujoda@gmail.com | linkedin/madhusudanpatnaik | github/madhusudanpatnaik

Experience

Cyber security Researcher
Ec-council

Dec 2023 – Present
Full Time - Hyderabad

Conducting advanced research and develop of practical labs for various cybersecurity courses.

- Conducted advanced research in penetration testing, cloud security, and web application security. Contributed to the development, support, and production of courses such as CEH, CCT, CTIA, CHFI, and CPENT.
- Promptly resolving problems affecting the delivery of labs and planning/implementing future projects that emerge from the current project.
- Simulate and automate labs in cloud environments based on industry security architectural principles

Cyber Security intern
Olcadmey

Jan 2022 – Mar 2022
Internship - Remote

Gained hands-on experience in vulnerability assessment and quality analysis

- Conducted vulnerability assessments and penetration testing to identify and report potential security risks.
- Contributed to the improvement of overall application security through detailed bug reports and remediation suggestions.

Projects

Server Monitoring with Grafana Prometheus and Loki

- Integrated Prometheus for real-time metrics collection from various services and servers and Configured Loki for centralized log aggregation and management.
- Designed custom Grafana dashboards for visualizing critical server and application metrics.

Tech stack: Prometheus, Grafana, Loki, Docker, Linux, Bash

CI/CD Pipeline Security Enhancement

- Implemented a comprehensive DevSecOps pipeline incorporating SAST, SCA, DAST, and container security tools, ensuring early identification and remediation of vulnerabilities throughout the software development lifecycle for continuous compliance.
- Conducted security scans using SonarQube and Trivy to identify vulnerabilities, ensuring code quality and security compliance.

Tech stack: Jenkins, OWASP ZAP, Trivy, Docker, Sonarcube

Cloud Security Assessment using ScoutSuite, Pacu, and Prowler

- Conducted comprehensive cloud security assessments using ScoutSuite for cloud environment auditing, Pacu for exploiting security vulnerabilities, and Prowler for AWS best practices and compliance checks.

Tech stack: ScoutSuite, Pacu, Prowler, AWS

Freelance

Cloud Security Engineer
Dusky

July 2024
Contract - Remote

Responsible for enhancing and maintaining the organization's cloud security infrastructure.

- Built and implemented firewalls on the organization's cloud infrastructure, significantly improving security posture.
- Configured OpenVPN with tailored security groups and policies, ensuring secure remote access for the organization.
- Collaborated with the DevOps team to integrate security into CI/CD pipelines, improving the security of application deployments by 30%.

Core Competencies

Vulnerability Assessment, Penetration Testing, Cloud Security, Security Configurations, SIEM Management, DevSecOps Practices.

Skills

- Security Tools : Nuclei, NMAP, Burp Suite, Metasploit, Nessus, Wireshark, Trivy, SonarQube
- DevOps Tools : Git, Jenkins, Docker, GitLab CI/CD (basic)
- SIEM & Security Configuration: Splunk, Wazuh, Security Onion, Pfsense, Snort
- Languages: Python, Java, Bash, C/C++
- Cloud Platforms : AWS, Google Cloud(GCP)

Certifications

- | | |
|--|-------------------|
| • Multi-Cloud Red Team Analyst | -CyberWarfareLabs |
| • Cloud Computing | -NPTEL |
| • ISO 27001:2022-Compliant Cybersecurity | -Linkedin |
| • Network Security Associate 1,2,3 | -Fortinet |
| • Cyber Security Foundation Professional Certificate | -Certiprof |
| • Computer Networks and Internet Protocol | -NPTEL |

Achievements

- Second Place in "Spawn the Machine" at Stepcone-2023 National Event.
- Second Place in "Technical Hackathon" of Udaan-2023 College Event.
- Completed Google Cloud Facilitator Program with 40+ Cloud Skill Badges.
- Among the Top 1% on TryHackMe with Advent of Cyber 2 and 3 completion.
- Successfully Led and Organized the Student Technical Event "UDAAN-2023" as Technical Lead.

Education

Lendi Institute of Engineering and Technology
Bachelor of Technology - Computer Science and Systems Engineering

Oct. 2020 – June 2024