Durga Sai Varma Kallepalli

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PROFESSIONAL SUMMARY

Cybersecurity and Data Analysis Specialist with hands-on experience in threat intelligence, vulnerability management, and SOC protocols. Skilled in Python programming, data analytics, and building automated security tools to reduce risk. Successfully identified and mitigated security threats through vulnerability assessments and incident response.

EDUCATION

Bachelor of Technology in Computer Science — CGPA: 7.48/10
Sir C.R. Reddy College of Engineering, Andhra Pradesh, India — *2024*

Diploma in Computer Science — CGPA: 7.1/10
Sir C.R. Reddy Polytechnic, Andhra Pradesh, India — *2020*

TECHNICAL SKILLS

Languages: Python, SQL
Cybersecurity Tools: Burp Suite, Nessus, Metasploit, OWASP ZAP
Data Analysis: Tableau, Excel, Data Visualization, Machine Learning
Core Skills: Vulnerability Assessment, Penetration Testing, Incident Response, Bug Hunting, CTF Challenges

WORK EXPERIENCE

Password Strength Checker | Python — May 2024
- Built an algorithm that evaluates password strength based on complexity, length, and entropy, boosting organizational password compliance by 30% through strengthened password policies.

Website Vulnerability Scanner | Python — May 2024 – Jun 2024
- Developed an automated vulnerability scanner capable of identifying SQL injection and XSS flaws; streamlined the detection process, resulting in a 25% reduction in manual review times across web applications.

Brute Force Attack Simulator | Python — Jun 2024 – Aug 2024
- Designed a brute force simulator for detecting weak authentication methods, enabling a 40% increase in threat detection rate for unauthorized access points.

Network Traffic Analyzer | Python — Aug 2024
- Built a tool to monitor network traffic anomalies, reducing irregular traffic detection time by 35% and aiding incident response workflows.

Cyber Crime Data Visualization Dashboard | Tableau — Sep 2024 – Oct 2024
- Developed an interactive dashboard showcasing cybercrime trends, supporting data-driven decision-making and enhancing insight accessibility by 25%.

CHALLENGES AND COMPETITIONS

Secured 6th place in **C3iHub Hackathon CTF Challenge** by IIT Kanpur, showcasing advanced skills in penetration testing and critical analysis.

Awarded Competitor Badge in **Deadface CTF 2024** for proficiency in handling complex cybersecurity challenges.

Progressed in **Flipkart Grid 5.0** by developing a recommendation system using advanced data analytics.

CERTIFICATIONS AND COURSES

Junior Penetration Tester – TryHackMe, Nov 2024
TryHackMe Username: mrsoulhacker.191; Rank: Top 7% (75,503); Badges: 10; Title: OMNI; Completed Rooms: 86

Vulnerability Assessment and Penetration Testing (VAPT) – Mar 2024

SOC (Security Operations Center) – Mar 2024

Ethical Hacking, Linux, CCNA Basics – May 2019