

UmarSharook Gurramkonda

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Education

Sri Venkateswara College of Engineering, Tirupati, India
Bachelor of Technology in Computer Science & Engineering (Cyber Security)

Experience

Network Security

May 2024 – Jul 2024

- Monitored network traffic and identified security threats using tools like Wireshark and Snort.
- Conducted vulnerability assessments and penetration testing to identify network vulnerabilities.
- Configured firewalls and IDS to enhance network security.

Python Intern

Jan 2025 – May 2025

- Developed and maintained Python scripts for automating tasks and improving workflow efficiency.
- Collaborated on building data-driven applications using libraries such as Pandas, NumPy, and Matplotlib.
- Assisted in debugging and optimizing Python code to enhance application performance.

Projects

Web vulnerability

- Assisted in implementing security best practices, including input validation and secure authentication methods.
- Collaborated with development teams to remediate vulnerabilities and improve web application security posture.
- Conducted web application security assessments to identify vulnerabilities such as XSS, SQL injection, and CSRF.

CPU Task Manager

- Created a Python application to monitor real-time system resource usage, including CPU, memory, and disk utilization, using the `psutil` library.
- Designed an intuitive graphical user interface (GUI) to display system statistics dynamically and updated every second.

- Enabled continuous monitoring and visualization of system performance metrics, providing insights into resource usage

Skills

Network Security: Vulnerability assessment, penetration testing, incident response, and network traffic monitoring using tools like Wireshark and Metasploit.

Cybersecurity Tools: Proficient in Kali Linux tools (Nmap, Aircrack-ng, Burp Suite, Hydra, Nikto, etc.) for network and web application security.

Programming & Scripting: Skilled in Python for automation, security scripting, and API integration (Flask, Django).

Web Application Security: Expertise in identifying and mitigating vulnerabilities like SQL injection and XSS using tools like Burp Suite and OWASP ZAP.

Operating Systems: Proficient in Linux (Kali Linux, Ubuntu) and Windows for security configuration and exploitation.

Data Analysis: Experience with data collection, analysis, and visualization using Python (Pandas, Matplotlib).

Problem Solving: Strong analytical skills with experience in algorithm optimization and debugging.

Tools: Nmap, SET, Nikto, Wireshark, Metasploit Framework

Achievements

- **Top 3 , Supraj technologies Workshop-** Gained practical experience using tools like Kali Linux, Wireshark, Metasploit, and Burp Suite for penetration testing, network monitoring, and threat analysis.
- **3rd Place, Coding competition** - Collaborated with a team to solve problems or competed individually, showcasing strong problem-solving and coding skills.