SUDHIR REDDY SURAM

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Professional Summary

Motivated and detail-oriented cybersecurity graduate student with a strong foundation in networking, Linux, digital forensics, and ethical hacking. Certified in Security+, PJPT, CCST, and experienced in hands-on projects involving secure app development, Active Directory penetration testing, and system hardening. Skilled in tools such as Nmap, Splunk, Burp Suite, Wireshark, Bloodhound, and Metasploit, Cisco packet tracer with proficiency in Python, Java, HTML5, and SQL. Quick to adapt to new technologies, tools, and environments, with a mindset focused on learning through real-world application. Known for simplifying complex technical ideas for both technical and non-technical audiences, and passionate about solving security problems in both offensive and defensive contexts.

Education

Saint Peter's University – Jersey City, NJ, USA   *Feb 2024 - May 2025*
- Master's in Cybersecurity
- GPA: 4.0
- Key Coursework: Network Security, Digital Forensics, Ethical Hacking

Presidency University – Bangalore, India   *August 2018 - June 2023*
- Bachelor's in Computer Science Engineering
- GPA: 3.6
- Relevant Topics: Data Structures, Operating Systems, Cryptography

Projects

TrustFace (In Progress)
- Developing an offline face-recognition lock system that secures unattended devices by locking them if the authorized user's face isn't detected for a set time.
- Runs entirely on the device without internet connection and supports multiple trusted users like family members.
- Maintains a local log of lock events and face recognition changes for accountability and auditing.
- Helps prevent unauthorized access in environments where device security is critical.

Automated Active Directory Penetration Testing
- Creating automation scripts using BloodHound, CrackMapExec, and Mimikatz to perform penetration testing in Active Directory environments.
- Automates credential spraying, privilege escalation, and other attack simulations to identify security weaknesses efficiently.
- Supports regular security assessments with consistent and repeatable testing processes.
- Reduces manual effort and improves the consistency of security testing.

Secure Voting App
- Designed and implemented a secure voting app using Google OAuth for authentication and SQLite for vote storage.
- Developed APIs tested with Docker and Postman for modular and reliable operation.
- Enhancing the app to prevent multiple votes from users with multiple Gmail accounts or phone numbers.
- Provides a secure and user-friendly platform for small-scale elections or surveys.

Internship

Cybersecurity Internship – Log Analysis with Splunk

Saint Peter's university

- Analyzed a series of raw log files using Splunk to identify security events and system behaviors.

- Created custom filters to extract relevant insights and highlight anomalies.

- Built dashboards for each set of logs to visually represent key findings and trends.

- Submitted detailed reports summarizing observations, filters used, and dashboard outputs.

Certifications

- CompTIA Security+ (SY0-701)

- TCM's Practical Junior Penetration Tester (PJPT) – Active Directory

- Cisco Certified Support Technician (CCST) – Networking

- CCNA – Preparing for certification

Extracurricular Activities

- Hackathon Participant – Competed in university and online hackathons focused on ethical hacking and secure app development.
- Tech Blog Writer – Wrote articles on cybersecurity tools, attacks, and digital forensics for a student tech blog.
- Cybersecurity Club Member – Participated in Capture The Flag (CTF) events and security workshops.
- Open Source Contributor – Contributed code and documentation to cybersecurity-related GitHub projects.

Interests

- Playing cricket
- Learning about old technologies and inventions
- Watching documentaries about science and history