Owais Shariff

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EDUCATION

Vellore Institute of Technology (VIT), Vellore   **CGPA: 8.19**
B. Tech in Computer Science with Specialization in Information Security   2021-2025

PROFESSIONAL EXPERIENCE

L&T Technology Services (LTTS)   **Dammam, Saudi Arabia**
Cybersecurity Intern   May 2024 – July 2024

- Fortified the security of SCADA (Supervisory Control and Data Acquisition) systems, safeguarding essential infrastructure from cyber threats.
- Engineered and maintained domain controllers, ensuring robust access control and network management.
- Investigated and analyzed security incidents, delivering detailed reports and actionable recommendations to enhance defense mechanisms.
- Spearheaded the creation and implementation of comprehensive security policies and procedures, aligning with industry standards.

SKILLS

Programming: Python, Bash, Java, C, C++, SQL, JavaScript, Typescript
Development: NextJS, ReactJS, NodeJS, Express, Electron, Tailwind, Flask, FastAPI, Tkinter, Redis
DevOps: Docker, Kubernetes, Ansible, Elastic Search, Logstash, Kibana (ELK), Nginx, Vagrant
Security: Wireshark**,** Nmap, Snort, Nessus, Splunk, QRadar, Burp Suite, Metasploit, Sysmon, Autopsy, FTK Imager, Nikto, Shodan, Hydra
Other Tools: Linux, Git / GitHub, Computer Networking, Excel

PROJECTS

Rust-Based Secrets Scanning Engine   GitHub
Developed a robust scanner in Rust, leveraging its performance and reliability to identify inadvertent leaks of sensitive information in projects efficiently, the engine assists cybersecurity professionals and developers at various stages, from pre-deployment assessments to ongoing post-deployment security checks.

Spam Detection API   GitHub
Developed a Docker container providing a Mail/SMS Spam Detection Flask API powered by a pre-trained machine learning model as a replacement for bulky LLM filtering. Implemented Flask server, pre-trained model, and dependencies encapsulated in the Docker container, simplifying setup for users.

RESEARCH

Beyond the Quantum Threat   VIT
This research paper investigates the implementation of post-quantum cryptography techniques in wireless communication protocols, with a focus on analyzing the vulnerabilities of modern cryptography in the presence of quantum computers.

CERTIFICATIONS

Systems Security Certified Practitioner (SSCP)   [ISC2](ISC2)
Successfully cleared the SSCP exams from (ISC)² and am about to receive the certification, demonstrating proficiency in IT security administration, regulatory compliance, and best practices.

Certified Ethical Hacker (CEHv12)   EC-Council
Achieved perfect score of 125/125, demonstrating comprehensive knowledge of ethical hacking and cybersecurity. Mastered techniques for identifying and addressing security vulnerabilities, ensuring robust protection against cyber threats.

Google Cybersecurity Certification   Google
Completed eight courses, developed by Google, that include hands-on, practice-based assessments to be competent in Python Scripting, Linux, SQL, Security Information and Event Management (SIEM) tools, and Intrusion Detection Systems (IDS).

ACHIEVEMENTS

- Awarded Merit Scholarship for Fresher Year at VIT Vellore. Certificate
- Top 3% Ranked Hacker Globally on TryHackMe.
- Won the CTF (Capture the Flag) Event in DevSoc 2024 organized by Codechef VIT.
- Awarded Best Frontend in Google Student Developer Club's DevJams '22.

VOLUNTEERING

Head of PR & Tech Department   Becoming I Foundation, Vellore (BIF)
- Served as an Educator and the Head of Technical Operations at Becoming I Foundation (BIF), a UN Recognized NGO focused on providing free, high-quality education to underprivileged children.
- Developed and implemented technological solutions to enhance operational efficiency, including the development of their official website, creation of portals and automation scripts & algorithms.
- Contributed to BIF's partnership with institutes like St. Jude's, leveraging technology to facilitate collaboration and support fundraising efforts.