Om Arora
+91 8712707432 | omarora1603@gmail.com

Career Summary

A hardworking college student pursuing B-tech in Cse core from SRM University in Chennai. A Cyber security Enthusiast, interested in AI/ML Development, Web Application Pentesting and Frontend Web Development.

Education

B.Tech Computer Science | Chennai, India 2022 - Present SRM Institute of Science and Technology |

CGPA - 8.48 (till the end of 4rd semester)

Skills

- **Development** - HTML, CSS, MySQL

- **CyberSecurity** - Web Application Pentesting, Burpsuite, Networking, Ethical Hacking, Nmap.

- **Programming Languages** - C, Python, C++, Javascript , bash

- **Application/Tools** - Linux, Figma, VS Code

Projects

Bug Buster

Developed Bug Buster, a comprehensive vulnerability scanner tool integrating NMap, DNSrecon, HTTP Probe, and Nuclei.

Structural Damage Assessment using Satellite Images

Developed an innovative project utilizing satellite imaging and deep learning, particularly leveraging the VGG-16 convolutional neural network model, for rapid and accurate structural damage assessment in disaster management and urban planning contexts.

Phishing Detection System Using Machine Learning

Developed a machine learning-based phishing detection system capable of analyzing email content to identify phishing attempts. The model was trained on a comprehensive dataset of legitimate and phishing emails.

Experience

HackTheBox SRMIST, Domain Lead
Present · 1 yr 6 months

Actively involved in HackTheBox SRMIST, where I contribute to organizing and coordinating cybersecurity events, workshops, and capture-the-flag (CTF) competitions

TechnoHacks Edutech, CyberSecurity Intern
   Sep 2023 - Dec 2023

WhiteBreadSecurity , Web Pentester
   Dec 2023 - Jan 2024

Conducted comprehensive web application penetration tests, identifying vulnerabilities and security risks across various platforms. As part of the internship, I utilized tools like Burp Suite, OWASP ZAP, and custom scripts to perform detailed assessments. I was responsible for generating daily reports, documenting findings, and providing recommendations to enhance the security posture of client websites.

Achievements and Certificates

Certificates

- Ethical Hacking Essentials (EHE) by codered
- Cybersecurity Fundamentals by IBM
- IBM Cybersecurity Analyst by IBM
- Google Cybersecurity by Google
- AWS Machine Learning Foundation by AWS
- CEH v12 - Currently Pursuing
- Introduction to Cybersecurity by Cisco
- NPTEL Programming in JAVA by Swayam

Achievements
- Found Vulnerabilities in Gov Websites, NASA, Kingfisher,USITC and some other websites and received recognition from them.
- Got selected among the top 65 teams in Devhouse'24 Hackathon.
- Secured third place in the PECAN+ Capture the Flag (CTF) competition, as part of the PALS-ECU Cyber Edge 2024 conclave at IIT Madras.
- Medium Page - https://medium.com/@omarora1603 where I post Technical Blogs, which is at 2k Followers