ZOHEIR SHAIKH

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Portfolio: https://6zoheir9.github.io

EDUCATION

Master of Science in Cybersecurity   Expected Graduation: May 2027
University of Houston- Houston, Texas
SGPA – 4.0

PROFESSIONAL SUMMARY

I am a graduate cybersecurity student with hands-on experience in security testing, automation, and incident triage. Strong foundation in Python scripting, network traffic analysis, and vulnerability assessment, with proven ability to support red and blue team operations.

TECHNICAL SKILLS

- **Offensive Security:** Metasploit, Burp Suite, Nmap, Weevely, SE Toolkit, Kali Linux.
- **Engineering & Automation:** Python (Exploit Dev), Bash Scripting, Docker-based C2 infrastructure
- **Defensive Ops:** Wireshark, Traffic Analysis, Phishing Triage.
- **Certifications:** Google Cybersecurity Professional, TryHackMe - Jr. PenTester & Web Fundamentals.

EXPERIENCE

Red Team Analyst Intern   June 2024 – December 2024
DeepCytes Ventures Pvt. Ltd., Mumbai, India

- I helped the firm achieve a 40% increase in operational efficiency by architecting a custom integration of red-team tools into their SaaS-based vulnerability platform.
- Executed end-to-end adversarial simulations, mapping findings to MITRE ATT&CK frameworks to validate detection logic and internal defense posture.
- Developed automated scripts for reconnaissance and initial access, significantly reducing the time-to-exploit during engagement cycles.

Technical Support Engineer Intern   December 2023 – January 2024
Network TechLab Pvt. Ltd., Mumbai, India

- I helped the organization slash first-response times by 30% by building an automated triage pipeline for security alerts.
- I led Triage for 20+ daily high-fidelity security alerts, performing deep-packet analysis to verify threat patterns.
- Authored enterprise-grade incident response playbooks that standardized the escalation process for critical phishing campaigns.

Research Intern   January 2023 – April 2023
Shah and Anchor Kutchhi Engineering College, Mumbai, India

- Using my background in Deep Web Intelligence, I helped secure the organizational perimeter by identifying 12+ active threat vectors and delivering actionable mitigation intelligence.

ACADEMIC PROJECTS

Controlled Payload Simulation & Detection, Shah and Anchor Kutchhi Engineering College   November 2022
- Developed custom payloads using SET and Weevely to test EDR/Antivirus bypass techniques, identifying critical defensive blind spots.

Dockerized CTF Challenge Development, Shah and Anchor Kutchhi Engineering College   April 2024
- Engineered a scalable, containerized environment for vulnerability analysis, increasing participant success by 60% through optimized challenge design.
- Developed custom challenges focused on Web Exploitation and Privilege Escalation.

ACTIVITIES

CTF Player | OWASP-TCET (2023), IITB-CTF (2023):
- Participated in competitive Capture the Flag events across domains: Web, OSINT, Crypto, PrivEsc.

Industry Visit | AIIPL Centre, Navi Mumbai (2023):
- Gained practical knowledge of networking equipment (switches, routers, IDS), Digital Forensics (Faraday's Bag), and the growth/relevance of Cybersecurity certifications in real-world operations.