Abdullah Ansari

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EDUCATION

University of Houston, C.T. Bauer College of Business   **May 2024**

Bachelor of Business Administration, Management Information Systems - **GPA: 4.00**
- Industry Certifications: CompTIA Security+ Certified, VHL Advanced+ CoC, OSCP in progress

PROFESSIONAL EXPERIENCE

WithSecure - *Security Consulting Intern;* New York, NY   **June 2022 – Aug 2022**
- Contributed to web application, network, and hardware security assessments by fuzzing web interfaces, reviewing proprietary firmware code, and reverse engineering security mechanisms.
- Individually discovered and produced firm-published research on critical vulnerabilities in Bluetooth smart locks by reverse engineering the companion Android app resulting in CVE advisories.
- Trained in mobile and web app testing methodologies as well as technical report writing by completing capstone projects including mock assessments, reporting exercises, and executive presentations.
- Assisted consultants in the compilation and QA of assessment scopes and reports for Fortune 500 clients.

University of Houston - *Technology Assistant;* Houston, TX   **Sep 2020 – May 2022**
- Actively monitored network connections and configured event logging on Windows movie streaming servers to log unauthorized attempts to access copyrighted material reducing litigation risk.
- Systematically applied OS/software security patches on university workstations in compliance with IT security policies leading to a 15% decrease in overall attack surface.
- Formulated and implemented a periodic backup strategy for office media servers reducing possible service interruption to 30 minutes and meeting the office's 24-hour recovery time objective.

ACTIVITIES & PROJECTS

Ethical Hacking Club, President, University of Houston   **Aug 2022 – Present**
- Captain a team of Capture-The-Flag players by organizing, training, and preparing members for competitions.
- Lead club efforts to build security-focused tools using Python by training and collaborating with members.
- Host weekly Hack-The-Box sessions to develop member skills in offensive security methodologies and techniques.

Capture-The-Flag Competitions & Practical Training   **July 2020 – Present**
- Learned to exploit network services, buffer overflows, and web applications by completing 4 learning paths, 68 rooms, 11 badges, and reaching level 0x9 [OMNI] on the TryHackMe cyber-training platform.
- Built a successful testing methodology by compromising 47/47 machines of various difficulties including medium and Advanced+ level hosts in the Virtual Hacking Labs network without automated tools.
- Competed in several CTF events including PicoCTF, BazaareBank CTF, MWR Active Directory and BazaareShop.
- Compiled a comprehensive write up on 10 VHL Advanced+ machines detailing steps taken to achieve full access.
- Created open-source security tooling for bruteforcing network service authentication, cracking password hashes, monitoring keystrokes, encrypting text, and exploiting vulnerabilities in Bluetooth smart locks.

GENB 3302, Texas Dept. Of Information Resources Cybersecurity Project   **Feb 2021 – April 2021**
- Led a team to advise the state cybersecurity coordinator on fulfilling data security standards via control catalogs.
- Responsible for early completion of deliverables by two weeks via optimized allocation of team efforts and talents.
- Trained team on fundamental security concepts to produce research delivered to over 1400 state employees.

AWARDS & SKILLS

Awards/Honors: George Foundation Excellence Scholarship Award, UH Scholar's Award, Academic Excellence Award
Tools: Linux, Active Directory, Python, AWS, Terraform, Metasploit, Wireshark, Burp Suite, SQLMap, Hashcat, Nmap
Languages: Fluent in English; Conversational in Spanish, Urdu, and Hindi