Layan Yamani

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EDUCATION

American University of Beirut, Lebanon Aug. 2020 – Jun. 2024

- BEng in Computer and Communications Engineering, GPA: 3.67/4.0
- Placed on the Dean's Honor List, Spring 2023, Fall 2024

International College (IC), Beirut, Lebanon Sep. 2004 – Jun. 2020

- French Baccalaureate- Math Specialty

PROFESSIONAL EXPERIENCE

Valoores, Soft Solution, Beirut, Lebanon – Data Scientist and AI Intern Jun. 2023 – Aug. 2023

- Led initiatives at Tenn.ai, an innovative AI company based in Doha, Qatar, focusing on advancing AI capabilities in the Arabic language, which enhances the system's versatility for a variety of file formats
- Worked on advanced NLP techniques
- Developed strategies for monitoring shoplifting incidents, using the Mapbox platform

Teaching Assistant, American University of Beirut Jan.2024 – Jun.2024

EECE 321 course- Computer Organization

- Guided and assisted students in their course and contributed to the development of their capabilities

PROJECTS

CTF project, boot to root- in the Ethical Hacking II course: Apr.2024

- Attained NT AUTHORITY:SYSTEM privileges on all three Windows Machines, uncovering hidden flags
- Achieved root-level access on a Linux box, demonstrating proficiency in privilege escalation techniques

Lie Detection using Machine Learning – Final Year Project: Sep.2023 – Jun.2024 (Expected)

- Developing a non-invasive lie detection system by integrating facial expression analysis and speech processing techniques using Machine Learning algorithms
- Collecting data by interviewing subjects engaged in deceptive scenarios, ensuring robust model training

Cinema Database- in the Database Systems course: Nov. 2023

- Developed a complete database, design from ER to Normalization, to Implementation
- Used PostgreSQL and create a python application in Flask and React

Car dealership website- in the Software Engineering course: May 2023

- Developed the website using Node.js and Firebase
- Used Agile methodology in the design and development of the application
- Allowed users to explore, select and schedule test drives with seamless accessibility across various devices

CTF project, boot to root- in the Ethical Hacking I course: Dec. 2022

- Acquired root access to an OSCP like machine and retrieved the flag, demonstrating proficiency in penetration testing tools
- Conducted a comprehensive penetration test on a Debian Linux server
- Wrote a professional penetration testing report documenting discovered vulnerabilities, attack vectors, and suggesting suitable remediation

EXTRACURRICULAR ACTIVITIES

Women in Engineering (WIE), AUB – Treasurer

Previously held the positionof Event Officer Sep. 2021 – Present

- Led 7 members in 2 sub-committees to plan activities and project accordingly
- Demonstrated financial skills and attention to maintain the branch's financial stability

Lebanese National Higher Conservatory of Music- Baccalaureate of Piano Sep. 2009 – Present

- Performed piano concerts in the LNHCM
- Assisted students in their piano, theory, and harmony classes

SKILLS

Languages: Fluent in English, Arabic, French

Technical Skills: C++, Python, VHDL, PSPICE, MATLAB, HTML, CSS, JavaScript, SQL, React, Flask, Django, MongoDB, GNS3

Cybersecurity: Reconnaissance, OSINT, Wi-Fi Hacking (WEP, WPA, WPA2, de-authentication & Evil twin attacks), Scanning using Nmap & Masscan, Enumeration of network protocols such as DNS, SMB, SNMP, Vulnerability Scanners: Nexpose, Nessus, OpenVAS, Windows Privilege Escalation: kernel Exploits, Service Misconfigurations, Unquoted Service Path, DLL Hijacking, Weak Registry Permissions, Insecure Service Executables