Omar Succar

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EDUCATION

American University of Beirut   **Beirut, Lebanon**
Bachelors in Computer and Communications Engineering, with a concentration in software.   *Graduation Date: Jan 2025*

EXPERIENCE

Talal and Madiha Zein AUB iPark   **Beirut, Lebanon**
Software Engineering Intern   *Jun 2023 - Aug 2023*
- Developed the "Startup Skills Matching Hub" using React.js, a responsive website that matches startups with qualified candidates based on expertise, preferences, and job vacancies, while ensuring optimal user experience.
- Developed the "World Summit Awards Lebanon" landing page, to showcase the international contest, including its objectives and participation criteria. Used HTML and CSS to ensure cross-browser compatibility and accessibility.

COURSE PROJECTS

Healthcare Insurance Company Database Design   *Oct 2024 - Dec 2024*
- Designed and implemented in a group a normalized database for an insurance company using SQL and PostgreSQL DBMS.
- Followed principles of design theory, ER modeling, relational mapping, and normalization.

Sentiment Analysis (Data-Centric Engineering)   *Feb 2024 - Apr 2024*
- Gained hands-on experience in data science fundamentals, including Python programming, data collection, and data visualization using Pandas, Numpy, and Matplotlib using data storage formats such as JSON and CSV.
- Studied natural language processing through testing the performance of several machine learning models to create a model capable of analyzing the sentiments of a sentence with 87% accuracy.
- Performed data preprocessing, outlier detection, exploratory data analysis, tokenization, and model evaluation.

Cybersecurity Essentials App (Final Year Project)   *Sep 2023 - Apr 2024*
- Led a team of four to develop an app using Dart (Flutter) that aims to teach people with low-technology literacy or high school students the essentials of security and cryptographic techniques in a gamified approach.

Car Dealership Website (Software Engineering)   *Feb 2023 - Apr 2023*
- Developed with a group a car dealership website using MERN, where I was responsible for the frontend using React.js.
- Learned software processes including requirements gathering, design (prototyping), development, testing and deploying.
- Performed weekly Agile sprints and applied Agile principles (scrum, standups, sprint planning and reviews) using Jira.

COURSES AND CERTIFICATIONS

- **Database Systems:** Design theory, ERD Modeling, ER to relational mapping, Normalization, PostgreSQL, NoSQL
- **Software Tools:** Git, Documentation, Postman & APIs, PyBuilder, Python testing, Docker, Profiling, Jenkins
- **Cryptography and network security:** Encryption techniques, AES, DES, Public Key Cryptography, Digital Signatures
- **Security Engineering:** Network security, Banking security, Hardware security, OS security, Virtualization
- **Data-Centric Engineering:** Data acquisition, Data preprocessing, EDA, Supervised and unsupervised learning
- **Mckinsey Forward Program:** Practical and soft skills training

SKILLS

- **Languages**: Arabic (Native), English (Fluent), French (Elementary knowledge)
- **Programming and Development**: Python, HTML, CSS, JavaScript, React, Material UI, SQL, Firebase
- **Other**: Excel, PowerBI, Cybersecurity, Figma, Data visualization (Pandas and Matplotlib), Databases, Git

EXTRACURRICULAR ACTIVITIES

- Vice President of the Lebanese Heritage club AUB: Organized over 10 events (ones with 600+ audience), being responsible for sponsorships, design and program-planning.
- Member of IEEE AUB
- Member of Archery club AUB