NOUR EL SAGHIR

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PROFILE

Motivated 4th-year Computer & Communications Engineering student specializing in Software Engineering, with hands-on experience through software development internships. Strong programming and analytical skills, with a growing focus on Artificial Intelligence and Machine Learning, and a strong interest in pursuing AI/ML-focused opportunities

EDUCATION

Jan 2023- May 2027

SAINT JOSEPH UNIVERSITY OF BEIRUT (USJ), LEBANON

Bachelor of Computer & Communication Engineering - Software Engineering specialization

WORK EXPERIENCE

June 2025 - September 2025

Front-end developer intern - Infosysta, Dubai

- Developed the complete front-end of Mazaya Monshaat website using Vue.js, HTML, CSS and JavaScript.
- Used AI-assisted tools to enhance development speed, code quality, and UI implementation.
- Built responsive, user-friendly interfaces and collaborated with the team to ensure seamless integration with back-end APIs.

Data Entry & Analysis Assistant – Al Reaayah Association, Saida

June 2023 - August 2023

- Entered, cleaned and organized large datasets to support program operations.
- Prepared data for reporting by structuring, verifying and validating information.
- Conducted basic data analysis to identify trends and support decision-making

Coding tutor – Private sessions

December 2022 - August 2025

- Taught programming fundamentals to students, focusing on Python and problem-solving skills.
- Prepared personalized lessons and exercises based on each student's level.
- Helped students understand coding logic, debug their work, and improve project quality

TECHNICAL KNOWLEDGE

- Programming languages: C++, Java, Python, Assembly (MIPS 32), Arduino (C/C++ based), Web Development (HTML, CSS, JavaScript, Vue.js, React)
- Programming Concepts: OOP, Design patterns, Data structures & Algorithms.
- Databases & Data Analysis: SQL, Data science, Data Analysis, Excel, IBM SPSS.
- Simulation & Modeling: MATLAB, Simulink.
- Networking & Systems: Unix System Administration, Kali Linux, Wireshark, Network Routing & Switching.
- Productivity & tools: Microsoft Office (Word, PowerPoint, Excel), Git/GitHub.
- Soft Skills: Project Management, Communication, Problem-Solving, Creativity,

CERTIFICATES

- First place Winner – Tube Push Lego/VEXIQ challenge (2nd RoboGames Competition).
- AI Workshop on Biomedical Cybersecurity & Weather Forecasting.
- Finalist - LAU case competition.
- Full Stack Development Track by "1 Million Arab Coders".

PROJECTS

- SnowFlows: a model to forecast mountain snow coverage using multi-year satellite imagery and terrain data.
- IoT Intrusion Detection System with Drift Monitoring: a machine learning–based IoT intrusion detection system with streaming simulation and drift monitoring, using real-world datasets to identify anomalous network traffic and evolving attack patterns
- Smart Alarm Robot Car (Arduino-based 4WD Robot).
- Diverco Food Supply Management System: Conducted comprehensive analysis, designed UML/MERISE-based IS models, implemented database prototypes, and managed project execution using agile sprints and Grantt charts.
- CarryMate website: a service that connects travelers with locals who want to send or receive items across countries.

ADDITIONAL INFORMATION

- **Languages:** English, French, Arabic.
- **Activities**: Member of Bee Skills Robotics Team (2017-2020), Scout Leader, Member of MEEZA basketball team, volunteer at The Social Association (TSA), Member of IEEE club