

MOUSSA KAOUK

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EDUCATION

Lebanese International University	Beirut, Lebanon
Bachelor of Science in Computer Engineering <i>GPA: 3.51/4.00</i>	October 2021 - June 2024
Lebanese International University	Beirut, Lebanon
Master of Science in Computer and Communications Engineering	October 2024 - Present

EXPERIENCE

Software Developer	Remote
<i>Full Stack Web Developer</i>	June 2023 - Present

- Developed and deployed responsive web applications using **React**, **Angular**, **Node.js**, and **.NET**.
- Designed and implemented backend systems with RESTful APIs and databases (**MongoDB**, **MySQL**, **SQLite**).
- Delivered clean, maintainable code following **SOLID principles** and **OOP**.

Engineering and Marketing International	Beirut, Lebanon
<i>Junior Engineer / Technical Assistant</i>	September 2024 - April 2025

- Developed real-time process graphics for fertilizer plants (UAE, Egypt) through PI Vision.
- Participated in **User Acceptance Testing (UAT)** and conducted **Quality Assurance (QA)** to ensure system accuracy and compliance.
- Collaborated with engineering teams to troubleshoot technical issues and support reliable deployment.

Lebanese International University	Beirut, Lebanon
<i>IT Intern / Trainee</i>	July 2024 - August 2024

- Designed and implemented data backup strategies and conducted validation testing.
- Provided technical support for infrastructure and optimized system performance.
- Assisted in monitoring system performance and maintaining secure IT operations.

SKILLS

Programming Languages:	Java, Python, JavaScript (ES6+), TypeScript, VHDL, MATLAB, C#, C++
Frameworks / Tools:	React, Angular, Node.js, .NET, Bootstrap, Git, CI/CD, REST APIs
Databases:	SQL, MySQL, SQLite, MongoDB
Web Technologies:	HTML5, CSS3, JavaScript, JSON, XML, Webpack
Development Practices:	Agile, SCRUM, Git, TDD, OOP, SOLID Principles
Office Tools:	Microsoft Office (Excel, PowerPoint, Word)

PROJECTS

Automated Greenhouse System (Final Year Project)

Developed a greenhouse system with real-time monitoring, manual control, and sensor-actuator integration for optimal plant growth.

- Built backend and frontend web applications with database integration.
- Integrated sensors and actuators using C programming for automation.

Technologies: **PHP**, **JavaScript**, **HTML5**, **CSS3**, **Bootstrap**, **MySQL**, **C**.

LANGUAGES

English (Native) **Arabic** (Native) **French** (Intermediate)