# MOUSSA KAOUK

Beirut, Lebanon · moussakaouk123@gmail.com · +96176814225 ·
www.linkedin.com/in/moussa-kaouk-363706275/

## EDUCATION

**Lebanese International University** — Beirut, Lebanon

Bachelor of Science in Computer Engineering *GPA: 3.51/4.00* — October 2021 - June 2024

**Lebanese International University** — Beirut, Lebanon

Master of Science in Computer and Communications Engineering — October 2024 - Present

## EXPERIENCE

**Engineering and Marketing International** — Beirut, Lebanon
*Junior Engineer / Technical Assistant* — September 2024 - April 2025

Contributed to the engineering team on ADNOC Fertiglobe projects, developing real-time process graphics for fertilizer plants in the UAE and Egypt through PI Vision.

- Designed graphics for Urea, Ammonia and Utility units using PI Vision.
- Participated in UAT and QA calls with site engineers to ensure system accuracy.
- Collaborated with the team to meet project goals and maintain quality standards.
- Gained experience in industrial automation and cross-regional project coordination.

**Lebanese International University** — Beirut, Lebanon
*IT Intern / Trainee* — July 2024 - August 2024

- Collaborated with the IT team to design and implement a comprehensive data backup strategy for university staff and professors.
- Conducted regular backup testing and validation to verify data integrity and recovery readiness.
- Provided technical support and documentation for backup procedures, enhancing the department's disaster recovery plan.
- Supported the IT department in managing network infrastructure, troubleshooting hardware/software issues, and optimizing system performance.

**Skillshare** — Online
*Instructor* — September 2022 - August 2023

- Produced online courses focused on Arduino programming and hardware integration.
- Assisted multiple students in troubleshooting and completing Arduino projects.

## SKILLS

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|---|---|
| Programming Languages: | Java, Python, JavaScript, VHDL, MATLAB, C#, C++ |
| Frameworks: | NodeJs, Bootstrap, Git, React, .NET, Angular |
| Databases: | SQL, MySQL, SQLite, MongoDB |
| Data Markup Standards: | HTML, CSS, JSON, XML |
| Proficient with 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 the backend and frontend web applications with database management.
- Integrated sensors and actuators using C programming.

Technologies: **PHP, JavaScript, HTML, CSS, Bootstrap, MySQL, C**.

## LANGUAGES

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