

# Louay Abou Merhi

## Computer Science Graduate

Phone number: +961 81657993| louayaboumerhi502@gmail.com| Jabra , Lebanon

### Objective

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A Computer Science graduate with comprehensive expertise spanning full-stack software development and hardware integration. Combines proficiency in **React**, **Tailwind CSS**, **Flutter**, **ASP.NET**, and cloud technologies with hands-on experience in system configuration, network management, and hardware troubleshooting. Demonstrated ability to develop scalable applications while ensuring robust hardware infrastructure and seamless system operations.

### Education

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Beirut Arab University

Beirut, Lebanon

Bachelor's Degree in Computer Science

Sep 2022 – May 2025

Cumulative GPA: 3.59 / 4.0

### Experience

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***IT Intern – CCIABML(Chamber of Commerce, Industry & Agriculture) Aug - Sept 2025***

- Developed full-stack solutions using **ASP.NET** web forms and **PHP/JavaScript**, automating critical data workflows.
- Configured and maintained office hardware infrastructure, including **network setup and PC deployment**.
- Provided comprehensive technical support spanning software applications and hardware systems.
- Optimized database performance while ensuring hardware compatibility and system stability.

***IT Intern – Ciment De Sibline***

***July 2025***

- Engineered automated reporting systems using **Google Workspace Scripts**, reducing manual workload by **60%**
- Diagnosed and resolved complex **network infrastructure issues**, ensuring continuous operations
- Led hardware and software training sessions, improving team proficiency with new digital systems
- Implemented scalable solutions addressing both software bottlenecks and hardware limitations

- Taught fundamental programming concepts in **Python, Scratch, and Web Development**
- Developed curriculum blending software logic with hardware interaction concepts
- Mentored students in computational thinking and problem-solving approaches

## **Projects**

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### ***Full-Stack E-Commerce Platform***

- Developed a modern e-commerce solution using **React frontend with Tailwind CSS** for responsive design
- Engineered a scalable, serverless backend with **Firebase (Firestore, Authentication, Hosting)** to manage products, users, and orders.
- Implemented user authentication, shopping cart functionality, and secure checkout system
- Created admin dashboard for inventory management and customer order tracking
- Enhanced performance using Firebase's real-time capabilities and serverless backend.

### ***CareerVisa - Flutter & Firebase Application***

- Built cross-platform career guidance app with **AI-driven recommendations**
- Integrated Firebase authentication and real-time Firestore database
- Designed responsive UI compatible across multiple devices and platforms

### ***Sign Language Recognition System***

- Developed real-time **Python and Machine Learning** solution for gesture recognition
- Optimized algorithm performance for accurate hardware-based gesture detection
- Conducted extensive testing to ensure system reliability and responsiveness

## **Skills**

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- **Frontend Development:** React, JavaScript, Tailwind CSS, HTML5, CSS3, Flutter, Dart
- **Backend Development:** [ASP.NET](#), PHP, Python, Java, C#, Node.js
- **Hardware & Systems:** PC Configuration & Assembly, Network Installation & Troubleshooting, System Diagnostics, Hardware Maintenance
- **Databases & Cloud:** Firebase, MySQL, Google Cloud, MS Access, Firestore
- **Languages:** English (Fluent) , Arabic(Native)