

Lynn Kaafarani

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Objective

Highly motivated and distinguished Senior Computer Engineering student with a strong passion for Artificial Intelligence and advanced computing. Possesses a solid background in software engineering and full-stack development, demonstrated through multiple academic and practical projects. Particularly interested in applying AI, data science, and high-performance computing to real-world, research-driven challenges. Eager to deepen expertise, contribute to cutting-edge projects, and collaborate in a rigorous research environment.

Education

Bachelor of Engineering (B.E.) in Computer Engineering Aug. 2023 – Expected May. 2027

Lebanese American University (LAU), Beirut, Lebanon

GPA: 3.86 - Dean's Distinguished List of the School of Engineering

CRNS Scholarship Recipient - Ranked 5th in Lebanese Baccalaureate

Experience

Intern — Mrad Utilities Flutter App June 2024

Flutter, Dart, API Integration, State Management, Mobile App Development

- Developed a mobile application with login, profile, home, and settings pages, integrating APIs and state management.

Selected Projects

CRM System — C++ (OOP) 2025

C++, OOP, File Handling, Inheritance & Polymorphism, User Authentication, Software Design

- Built a CRM system with Admin/Agent features, including login and data handling.

Hotel Reservation System — C++ 2025

C++, OOP, STL, Left Edge Algorithm, JSON, Scheduling Algorithms

- Developed a hotel reservation system using Left Edge Algorithm with OOP, STL, and JSON for data management.

Blood Bank Management System — Flask & MariaDB 2025

Flask, Python, MariaDB, SQL, Database Modeling, HTML, CSS, JavaScript

- Built a web-based blood bank management system using Flask and MariaDB, with a well-structured relational database and SQL queries for data management. Developed a simple and functional frontend using HTML, CSS, and JavaScript to interact with the backend.

3-Stage Elevator System — Assembly 2025

Assembly, Embedded Systems, Hardware Interfacing, State-Machine Design

- Implemented an elevator control system on HCS12 using MCCNT underflow interrupts to scan buttons, manage movement, and monitor overload via weight sensor.

AM Signal Receiver — Analog Electronics 2025

Analog Circuits, Electronics, Hardware Prototyping

- Built a receiver circuit to demodulate AM signals, amplify, and drive a speaker output.

Skills

Programming Languages: Python, C++, Java, Dart, HTML, JavaScript, Assembly

Frameworks & Tools: Flutter, Flask, Git/GitHub, LaTeX, Microsoft Office

Concepts: Object-Oriented Programming (OOP), Data Structures, Databases (MySQL, MariaDB), Full-Stack Web Development, Artificial Intelligence & Machine Learning

Hardware & Systems: Electronics, Digital Design, Computer Architecture

Certifications

- Elements of AI for business: Won First Place in AI Generation Competition
- Techsplore 2025 - Tech Tapestry Edition