

Riham Harb

Computer Science | Full-Stack Developer

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EDUCATION

Bachelor of Sciences in Computer Science *Rafic Hariri University, Lebanon 2023 – 2026*
(Expected Graduation: Spring 2026)

- **Relevant Coursework:** Data Structures & Algorithms, Database Systems, Operating Systems, Advanced Web Programming, Image Processing & Computer Vision & Pattern Recognition

PROFESSIONAL SUMMARY

Final-year Computer Science student with strong hands-on experience in full-stack web development using Laravel and Flask. Developed interactive web applications with authentication systems, admin dashboards, and relational database design. Currently expanding expertise in AI integration, image processing, and computer vision. Passionate about building scalable, user-focused web platforms.

TECHNICAL SKILLS

- **Programming Languages:** Python, PHP, C++, Java
- **Web & Frameworks:** Laravel, Flask, REST APIs, HTML, CSS, JavaScript, JQuery, Tailwind, Bootstrap, OpenCV, NumPy, Pandas
- **Databases:** MySQL, SQLite, PostgreSQL
- **Tools & Technologies:** Git & GitHub, Postman, OpenCV, Linux
- **Languages:** Arabic (Native), English (Fluent), French (Basic)

PROJECT EXPERIENCE

Full-Stack Recipe Web Application (Laravel, Blade, Tailwind, CSS, HTML, JQuery, MySQL)

- Designed and developed a dynamic recipe-sharing web platform
- Implemented user authentication, profile management, role-based admin panel, and middleware
- Engineered an **advanced multi-criteria filtering engine** allowing users to query recipes by dynamic categories and real-time ingredients and tags
- Enabled user interaction features including commenting and following system
- Designed relational database structure to manage users, recipes, and interactions
- **Technologies:** Laravel, MySQL, HTML, CSS, JavaScript

AI-Integrated Interview Analysis Web Application (Final Year Project)

- Developed full-stack web application integrating AI-based interview analysis
- Designed backend API for video processing and response storage
- Implemented database schema for structured answer and media management
- Integrated computer vision techniques for gesture/facial analysis
- **Technologies:** Python, Flask, PostgreSQL, OpenCV, React, MediaPipe

Task Bloom – Task Management Web App (Python, Flask, SQLAlchemy, HTML, CSS, SCSS)

- Built a task management web application using Flask and SQLAlchemy with full CRUD functionality for creating, editing, updating, and deleting tasks.
- Designed a relational task model with support for completion tracking, due dates, priority levels, and timestamps for task creation
- Implemented task filtering and sorting logic for active/completed views and ordering by due date and creation time.
- Developed REST-style API endpoints for task retrieval, creation, updating, deletion, and statistics reporting in JSON format.
- Added backend helper functions for date parsing, priority normalization, and cleaner server-side input handling.