Yasmine Mahmoud El Hariri
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Aspiring Software, AI & Data Engineer

Undergraduate Computer Science student with hands-on experience in web development, software modeling, AI/ML, and data-driven systems. Built full-stack web applications, relational database platforms, and machine learning models across academic and bootcamp environments. Proficient in Python, Kotlin, C#, SQL, and full-stack development. Proven ability to build functional applications and collaborate effectively in academic software projects. Actively seeking internships or entry-level roles in software engineering, AI/ML, or data-oriented development.

Core Competencies

Programming & Debugging	Database Design & SQL	Project Collaboration & Git Workflows
Algorithmic Problem Solving	Networking Fundamentals	Machine Learning & Data Analysis
Data Processing & Automation	Full-stack Web & Mobile Development	Software Architecture & RBAC Systems

Education

Rafik Hariri University, Bachelor of Science in Computer Science, CGPA: 3.8, Expected December 2026

Professional Experience

Rafik Hariri University, Lebanon **Feb 2026 – May 2026**
Full-Stack Web Developer

Accomplishments:

- Built a full-stack task management system using React (Vite) and Supabase, supporting role-based workflows for students, team leaders, and instructors.
- Implemented a relational PostgreSQL database schema (users, teams, projects, tasks, comments) via Supabase, enforcing Row-Level Security (RLS) and with structured queries for relational data access across all entities.
- Developed 8+ core application pages with protected routing, RBAC, and dynamic data fetching using Supabase.
- Implemented key features including Kanban-style project tracking, task lifecycle management, team management, and real-time updates.
- Deployed frontend applications via Netlify with continuous deployment triggered on Git pushes.
- Integrated Supabase RESTful APIs to implement secure authentication, authorization, and role-scoped data access with real-time data fetching across the system.
- Wrote and executed unit and integration tests to validate business logic, role-based access, and data flow across the application, complemented by manual end-to-end testing of all core user workflows.
- Collaborated with a 4-member team using Git branching strategies and modular architecture for scalable development.

Rafik Hariri University, Lebanon **Mar 2026 – May 2026**
Data Science & Web Scraping Developer

Accomplishments:

- Built an end-to-end data pipeline to scrape and aggregate restaurant data in Beirut from 5+ web sources using Python (BeautifulSoup, Selenium). Consumed RESTful APIs to supplement scraped data sources.
- Performed data cleaning, preprocessing, and normalization on key features extracted using Pandas to handle missing values, inconsistencies, and duplicates.
- Conducted exploratory data analysis (EDA) & feature analysis to identify trends in restaurant ratings, popularity, and geographic distribution.
- Designed interactive dashboards using Plotly/Dash for visualizing insights to sustain data-driven decision making.
- Applying nlp and machine learning techniques to analyze patterns and correlations within the dataset.
- Collaborating within a team through the workflow using Git following ethical scraping practices.

Rafik Hariri University, Lebanon **Jan 2026 – Apr 2026**
Android Mobile Application Developer

Accomplishments:

- Developed an Android food delivery application (7+ screens, 10+ features) supporting end-to-end user flow from authentication to order confirmation.
- Designed and managed a structured SQLite database enabling efficient data storage, retrieval, and filtering.
- Implemented real-time search and category-based filtering, improving user interaction and data accessibility.
- Integrated Firebase Authentication for secure user access and session management.
- Built dynamic UI components using RecyclerView and modular design for scalable & responsive performance.
- Optimized data handling by implementing efficient data passing and querying strategies, improving app performance.
- Collaborated in a team-based development environment using Git, conducting feature integration & debugging.

ZAKA AI Bootcamp, Lebanon **Aug 2025 – Oct 2025**
Machine Learning and AI Model Developer

Accomplishments:

- Built and trained an emotional speech recognition model using 5+ Python libraries and ML techniques reaching optimal performance.
- Engineered MFCC features and performed feature feature extraction, normalization, and dataset segmentation.
- Trained and tested 3+ different training models for accurate and efficient operation.
- Conducted systematic model evaluation and tuning using validation metrics and error analysis to select the optimal approach.

Rafik Hariri University, Lebanon **Feb 2025 – April 2025**
Database & Application Developer

Accomplishments:

- Architected and implemented an interactive database system for a cinema management platform using SQL Server, covering movies, screenings, tickets, users, and notifications.
- Designed a relational SQL Server database with 8+ normalized tables (movies, screenings, seats, tickets, users, payments, notifications, etc.), enforcing 10+ primary/foreign key relationships to guarantee data integrity.
- Developed C# backend logic to handle ticket booking, seat availability, pricing rules, and transactional consistency.
- Built full CRUD functionality for 6+ core entities, integrating structured queries, constraints, and business rules.
- Assisted within a team align database schema, backend logic, and UI requirements, maintaining clean version control and modular code structure.

Technical and Soft Skills

Technical Skills:
Python, Java, C#, SQL Server, Kotlin, Matplotlib, Docker, Data manipulation, SVM, HTML, CSS, JavaScript, jQuery, Git, React.js, VS Code, Netlify, Supabase, google colab, AWS, venv, pip, OOP, C++, and SPSS

Soft Skills:

- Problem Solving
- Analytical Thinking
- Technical Communication
- Team Collaboration
- Time Management

Languages

- **Arabic:** Native
- **English:** Fluent
- **French:** Intermediate