

Sara Ibrahim

Computer Science Student

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EDUCATION

Lebanese American University

09/2024 – Present

Bachelor of Computer Science, Minor in Mathematics | Honor's Program

GPA: 3.62 / 4.0

Ranked 6th on Lebanon in Official Baccalaureate Exams

SAT Score: 1400/1600

PROJECTS

FitTrack | Fitness Tracker Web App

JavaScript (ES6+), React, HTML (via JSX), Tailwind CSS, Vite, Git, Vercel

Live: <https://fittrack-flax.vercel.app/> 🌐

Repo: <https://github.com/mohamadkaddah-0/fittrack> 🌐

- Built 4 React components (DietProgram, MealLog, IngredientDetail, UserProgress) and deployed on Vercel, leveraging controlled components, conditional rendering, and shared state management.
- Built a multi-step meal logging system with real-time macro tracking, portion-based nutrition calculations, and daily target validation.
- Designed a goal-based meal recommendation feature with category filters and rotation logic, alongside dynamic ingredient views and a progress dashboard with SVG charts, weekly calorie tracking, and a calendar heatmap.
- Collaborated in a 4-person team using Git, resolving merge conflicts and debugging deployment issues on Vercel.

Fruit Ninja AI Game

Python, Turtle Graphics, Q-Learning

- Built a Python-based Fruit Ninja-style game with real-time rendering and user input handling, integrated with a Q-learning agent for autonomous gameplay.
- Designed modular OOP architecture and optimized performance using event scheduling.

Neoterra Database Project

Oracle/SQL

- Designed an ER diagram and implemented 15+ relational tables with primary/foreign key constraints.
- Wrote complex SQL queries including joins, aggregates, and nested subqueries.
- Developed a strong understanding of structured data and multi-system data management.

LEADERSHIP EXPERIENCE

Co-Facilitator, Bassma Initiative | Volunteer

07/2023 – Present

- Led training sessions for children on conflict-resolution and communication skills.
- Coordinated with team members to support the launch of the “Nahno-Volunteers” platform.

SKILLS

- **Languages:** Java, Python, C, SQL, JavaScript
- **Frontend:** React, Vite, Tailwind CSS, HTML, CSS3
- **Tools & Platforms:** Git, GitHub, Vercel, VS Code
- **Currently Learning:** Node.js & Express, REST APIs & MongoDB, Full-stack deployment