Sara Ibrahim

Computer Science Student

✉ sara.hussam.ibrahim@gmail.com 📞 (961)81549476 📍 Beirut, Lebanon

○ github.com/sara-ibrahim99 in linkedin.com/in/sara-ibrahim-3075493a3

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

Fruit Ninja AI Game | Python, Turtle Graphics, Q-Learning

- Built an interactive game system with real-time rendering and user input handling, and a reinforcement learning-based agent.
- Designed modular OOP architecture and optimized performance using event scheduling.
- Gained experience in performance considerations, state handling, and system responsiveness.

Graph Navigation System | Java, OOP, Algorithms
- Developed a graph-based system implementing BFS, DFS, and Dijkstra for shortest path calculations.
- Enabled location search by name and coordinate-based pathfinding.
- Demonstrated modular coding and practical use of algorithms.

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

- **Programming Languages:** Java, Python, C, SQL
- **Web Fundamentals:** HTML5 (semantic structure), basic CSS
- **Frameworks & Tools:** Git, Linux, VS Code

CURRENTLY LEARNING

- React (components, hooks, state)
- Client-Server Architecture & HTTP Basics (Understanding the foundations of Server-Side Rendering)
- Node.js & Express
- REST APIs & MongoDB
- Full-stack deployment
- SEO fundamentals and web performance optimization