

Mariam Kafel

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EDUCATION

Lebanese American University (LAU), Beirut, Lebanon

Sept 2023 – Expected June 2026

Bachelor of Science in Computer Science

CGPA: 3.6/4- MGPA: 3.5/4

Full USAID Scholarship

Related Courses: Introduction to Object-Oriented Programming, Objects and Data Abstraction, Computer Organization, Algorithms and Data Structures, Database Management Systems, Operating Systems, Software Engineering, Web development, and Parallel Programming.

KEY SKILLS

- **Languages:** English and Arabic (fluent).
- **Soft Skills:** Leadership, time management, communication, conflict resolution, critical and analytical thinking, problem solving, and collaboration abilities.
- **Technical Skills:** Microsoft Office (Word, Excel, Power Point & Outlook).
- **Programming languages:** Python, Java, C, C#, HTML, PHP , JavaScript , CSS, C++ , Json
- **Database Skills:** MySQL.
- **Operating System:** Linux.
- **Communication Skills: Completed COM 203:** Art of Public Communication, including an interview project.

INTERNSHIPS:

Protel company :

In my recent learning and practical work, I have explored how to interact with APIs using Postman for backend testing. This involves sending HTTP requests and analyzing JSON responses to ensure the API returns the expected data. In my project, I created a basic HTML

document in Visual Studio Code and connected it to a MySQL database, designing tables with precise length fields to store data efficiently. I also practiced inserting data directly into the database using SQL commands. Additionally, I studied the MVC (Model-View-Controller) architecture, which helps separate backend logic from the user interface for better maintainability and scalability. These hands-on experiences with APIs, Postman, JSON parsing, HTML, and MySQL have strengthened my understanding of building interactive and reliable web applications

CERTIFICATIONS/WORKSHOPS

Workshops by the Outreach and Civic Engagement Department

sept 2023-Dec-2024

Time Management & Study Skills - Team Building & Conflict Resolution- Anger and Stress Management - Power of Charisma - Communication & Negotiation Skills - Basic Studio Skills - Developing Critical & Analytical Thinking - Public Speaking - Stress Management Techniques Amid Chaos - Basic Professionalism & Business Etiquette - The Good, the Bad and the Ugly of Innovation & Entrepreneurship - Engaging in Productive Self-Reflection.

PROJECTS

Computer Organization Project:

Designed and simulated a simple RISC processor with 28 instruction types and a custom data path.

Database Management Systems Project:

Developed a “virtual” insurance NGO database: ER diagram, relational schema, normalization, and SQL queries.

Digital Culture Project (LAS 204):

Collaborated on a cybersecurity and cyberattacks research project with a coding demonstration of data access vulnerabilities.

Fundamentals of Transaction Management Project:

Explored transaction management literature and proposed curriculum improvements through a Knowledge Unit (KU).

Technology and Energy Interaction Project (LAS 204):

Explored technology-energy interaction, presenting innovative solutions like Solar Power Towers for sustainable energy practices.

EXTRACURRICULAR ACTIVITIES

Active member in LAU Clubs

Sept 2023 – Present

Computer Science Club, Communication Club, Music Club

VOLUNTEERING EXPERIENCE

Volunteer at Bassma Foundation

Assisted with various social initiatives aimed at supporting underprivileged families.

Volunteer at Life Sculptor

Contributed to activities focused on youth empowerment and personal development.

Member of AIESEC in Lebanon

Participated in global youth leadership development programs and community projects.

Volunteer at Swim Lebanon

Supported aquatic events and programs aimed at promoting swimming as a vital skill.

Volunteer at Ahla Fawda

Took part in cultural and environmental initiatives to enhance community well-being.

Volunteer at Banin Charity

Engaged in humanitarian efforts to provide financial and medical aid to individuals in need.