Rami Aabed

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Education

LEBANESE AMERICAN UNIVERSITY   **2023-PRESENT**
BS in Computer Science

COLLEGE Sacré-Coeur Gemmayze   **2012-2023**
Lebanese Baccalaureate: Sociology and Economics

Workshops

Participated in many workshops such as:

- Coding workshops
- Nvidia for Fundamentals in Deep Learning
- Hult Prize
- Cybersecurity CTF Participant – Semicolon Academy

- Skills Development
- Eco Innovate
- Management

Projects

LEBANESE AMERICAN UNIVERSITY

- **Database Management System (DBMS)**   **Sep – Dec 2024**
  Designed and implemented a relational database for an NGO, optimizing data storage and retrieval.
  Developed an ER model and mapped it into a normalized relational schema (BCNF). Managed entity relationships (Donors, Beneficiaries, Volunteers, Staff, Projects, Partnerships) with M:N | 1:N mappings. Implemented SQL queries on Oracle for resource allocation. Ensured data integrity, and compliance with best database practices.

- **Web Development**   **Feb – Apr 2025**
  DIY Tutorials Website
  Developed a dynamic web platform for DIY tutorials, allowing users to browse and access step-by-step guides based on selected categories such as paper, wood, and electronics crafts. Implemented the frontend using HTML, CSS, and JavaScript, ensuring an interactive and user-friendly experience. Built the backend with PHP and Python, AJAX/jQuery, integrating MySQL database for managing user data and tutorial content efficiently. Focused on optimizing usability and functionality to enhance the learning experience for DIY enthusiasts.

- **Software Engineer**   **Mar – Apr 2025**
  Travel Agency
  Designed and developed a travel agency system, modeling its operations to resemble a real-world agency. Built an interactive website for booking flights, hotels, and travel packages using HTML, CSS, JavaScript (frontend) and PHP, Python, MySQL (backend) for secure transactions. Integrated personal recommendations, travel assistance, and dynamic pricing to enhance user experience.

- **Mobile Application**   **Mar – Apr 2025**
  Calorie & BMI Tracker for Personalized Nutrition
  Designed and developed a mobile application that calculates users' daily calorie needs and BMI, helping them achieve weight goals through tailored nutritional guidance. The app integrates a backend database to store user data, track progress, and provide personalized recommendations for effective weight management.

Skills

- **Programming Skills:** Java, Python, C, XML, Html, JavaScript, CSS, SQL, Assembly, Android Studio, Linux, Oracle, PHP.
- **Acquired Skills:** Communication, Problem Solving, Team Collaboration, Time Management, Leadership, Microsoft Word, PowerPoint, and Excel.

Activity

- **Music Club member** (Piano/Keyboard/Percussion) at the Lebanese American University.
- **Usher – LAU Career Fair 2025**
  Assisted in a job fair featuring 35+ global companies, helping students connect with potential employers.

Languages

Arabic (native), English (Excellent Proficiency), French(Excellent Proficiency).

- References available upon request.