

Dana Hamade

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Beirut, Lebanon

[LinkedIn](#)

EDUCATION

Lebanese American University, Beirut, Lebanon Expected Graduation December 2025

BS in Computer Science

Al Mayadine International School, Sour, Lebanon

September 2009-June 2021

Lebanese Baccalaureate, Life Science

EXPERIENCE

Web Developer Intern – Finova Fintech

January 2025- May 2025

- Designing and building an e-commerce website using React
- Creating responsive and user-friendly web pages
- Connecting the website to APIs for data handling

Web Developer Intern – Integrated Digital Systems

August 2024-November 2024

- Developed an SQL database using the Microsoft SQL Server
- Developed a Web API using Visual Studio 2022, .NET 6.0, and the MVC (Model-View Controller) development pattern
- Secured Web API using JWT (JSON Web Tokens)
- Tested API using Swagger/SwaggerUI

PROJECTS COMPLETED

Lassa Virus Fever Modeling – Research Project

Spring 2025

- Applied a machine learning RBNB with 14 neurons and a radial basis activation function to simulate the virus transmission based on disability impact.
- Optimized the model using Levenberg-Marquardt backpropagation, achieving low mean square error and high regression accuracy.
- Validated results through data splitting (training, testing, validation) and confirmed accuracy with histogram error and output overlap.
- Introduced a novel neural network structure for solving nonlinear zoonotic disease models.

Sustainable Scape - Web Project

Spring 2024

- Developed a web platform using PHP, JavaScript, and HTML to tackle food insecurity and plastic pollution in Lebanon, focusing on backend functionality, dynamic user interaction, and accessible design.

Marvel Galactic Radio System - Database Project

Fall 2023

- Designed and implemented a database for Marvel Galactic Radio Station using Microsoft Visio, Oracle SQL Server, and SQL, including ER diagram creation, schema translation, and normalization to BCNF.

EXTRACURRICULAR & VOLUNTEERING ACTIVITIES

LebNet Tech Fellows Program, Online

December 2023-May 2024

- Discussed various topics related to creativity, employability, and graduate studies.

Lebanese American University, Beirut, Lebanon

- Computer Science Club, member September 2023-Present
- Social Work Club, member September 2022-May 2023
- Human Rights Club, member September 2023 - Present

WORKSHOPS & CERTIFICATES

All Girls Code Workshop, February 2024

LAU DevFest 2023, October 2023

Google Coursera: Foundations of Cybersecurity, Certificate of Completion, August 2023

SKILLS & LANGUAGES

Programming skills: Python, Java, C, SQL, HTML, CSS, JAVASCRIPT, PHP, .NET and React js.

Computer skills: Microsoft Office.

Languages: Fluent in both Arabic and English.