

+961 76 329 658

Dania Matar
daniamatar@lau.edu
[LinkedIn](#)

Beirut, Lebanon

EDUCATION

Lebanese American University, Beirut, Lebanon

Spring 2025

BSc in Bioinformatics

European Lebanese School, Lebanon

2021

Lebanese Baccalaureate in Life Sciences

EXPERIENCE

Integrated Digital Systems Full-stack Intern, Beirut, Lebanon

July - September 2023

- Built frontend webpages using HTML/HTML5 and CSS
- Added interactions to webpages using JavaScript, AJAX and JQuery
- Built up a database using SQL Server 2012/2014
- Developed WebAPIs (.NET Core 5.0/6.0/7.0) to be used along their website

PROJECTS

Lebanese American University, Beirut, Lebanon

January 2022 - May 2025

Final Year Project

2024-2025

- Collected high-resolution protein structural data from public databases (PDB) and curated mutation data from scientific literature
- Cleaned and formatted datasets using Bash scripting to automate removal of redundant entries, fix formatting issues, and standardize data for analysis
- Created interactive graphs and tables to showcase structural and energetic changes using Power BI

Web Development Project

2023

- Developed two full-stack websites, a personal portfolio, and a game development company site, using PHP, JavaScript, HTML, and CSS
- Ensured data security by implementing encryption methods to protect sensitive user information
- Utilized PHP for server-side data handling and database interactions to store and retrieve user and project data

Data Mining Project

2023

- Performed dataset selection, data exploration, preprocessing, feature engineering, and model development
- Utilized Machine Learning techniques such as tree-based methods, SVMs, PCA and clustering in R
- Maintained clear R scripts, emphasizing problem-solving and data interpretation skills

Drug Design Coding Project

2023

- Devised a code that calculates the petit-jean index of a molecule using python and displays the molecules graphically using regex, matplotlib, and network X

Database Project

2023

- Designed and implemented a fully functional pharmaceutical database using NetBeans, PHP and Wamp and MySQL and java for data collection, analysis, and decision-making
- Fabricated a user-friendly and intuitive interface for easy data entry and retrieval, enhancing user experience
- Implemented a robust relational database schema to ensure accurate and structured storage of data

Research Paper

2022-2023

- Performed qualitative analysis of the human insulin receptor protein on its composition and role
- Performed ancestral data analysis to evaluate structure conservation and species divergence

SKILLS

Technical skills: Python, Java, JavaScript, R, PHP, SQL, CSS, HTML, Figma, SPSS, Microsoft office, Shell/Bash scripting, Matplotlib, React, Node.js, MongoDB, MySQL, PowerBI

Operating systems: Windows, Linux.

Soft skills: Teamwork, problem-solving, time-management, creative thinking, work ethic.

Languages: Fluent in English, Native Arabic speaker

EXTRACURRICULARS

Global Mentorship Initiative Mentee

2023 - 2024

- Addressed the ethics of being in a workplace, how to manage my LinkedIn, set smart goals, and network alongside a professional mentor over the course of a 16-week program.