

KASSEM RAMMAL

BIOINFORMATICIAN | DATA ANALYST

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Lebanon, Beirut

SUMMARY

Bioinformatics Graduate skilled in data analysis, Programming, and bioinformatics tools. Recognized for academic excellence and leadership as President of the Bioinformatics Club. Passionate about utilizing computational methods to address biological and medical challenges.

VOLUNTEERING

President of Bioinformatics Club 2024 – 2025

Lebanese American University, Beirut Campus

- Organized over six events and workshops on bioinformatics and AI to support student learning.
- Collaborated with Premed and ITM clubs to host academic and networking events for 40+ students.

Code & Fly Bootcamp Volunteer 2025

Lebanese American University, Beirut Campus

- Lead and teach 17 high school students the basics of **Python Language** and how to program a Drone.

SKILLS

Programming & Analysis

- **Python**, R, JAVA, SQL, Regular Expressions, Machine Learning.

Tools & Software

- **Excel**, **Power BI**, AutoDock, ChimeraX, LigPlus+, and LigandScout.

Soft Skills

- Leadership, Communication, Teamwork, Self-Learning, Events Planning & Coordination.

EDUCATION

Bachelor of Science (BSc) in Bioinformatics 2022 – 2025

Lebanese American University, Beirut Campus

- **C-GPA:** 3.43/4
- **Relevant Coursework:** Molecular Biology, Genetics, Organic Chemistry, Biostatistics, Data Mining, Data Structure and Algorithm, Computational Biology, Computational Drug Design, and Structural Bioinformatics.
- **Honors:** Distinction List – Spring 2023 & Spring 2024, and Honors List – Spring 2025.

CERTIFICATES

- The Medical Research Lecture Series – AUB (July–September 2024)
- Excel Fundamentals – DataCamp
- Introduction To Power BI – DataCamp

PROJECT - STRUCTURE-BASED DESIGN OF PLK1 INHIBITORS

ChimeraX, AutoDock Vina, SWISS-MODEL, LigandScout, Python, PrankWeb

- Apply a wide range of Bioinformatics tools to find a novel, selective inhibitor for a specific gene, Polo-like kinase 1 (PLK1), that is overexpressed in Lung Cancer.

LANGUAGES

- Arabic and English.