Lara Ismail

Beirut, Lebanon
lara.ismail02@lau.edu · +96176655160

Technical Skills

- Programming: Python, Java, SQL, Bash scripting
- Bioinformatics Tools: BLAST, Chimera, ClusPro, PyMOL, UniProt

Soft Skills

- Problem-solving
- Time management
- Communication skills
- Languages: English(Fluent), Arabic (Native)

Education

Master of Science in Data Science (in progress) (09/2025-present)
Lebanese American University, Beirut, Lebanon
• Coursework includes Machine Learning, Data Visualization, and Statistical Modeling
• Developing skills in Python, SQL, and applied data analytics

Bachelor of Science in Bioinformatics (01/2022 – 01/2025)
Lebanese American University, Beirut, Lebanon

- **Data Analysis and Statistics:** Biostatistics, Data Mining, Discrete Structures I
- **Programming and Software Development:** Introduction to Object-Oriented Programming, Introduction to Scripting, Algorithms and Data Structures
- **AI and Computational Methods:** Computational Drug Design, Structural Bioinformatics

Experience

Academic Tutor (06/2024 -09/2024)
Stepping Stone Learning Center, Beirut, Lebanon

- Taught Mathematics and Sciences support classes.
- Provided personalized one to one tutoring sessions to enhance students' skills.
- Tutored students of different age groups ranging from 7 to 17 years old.

In-claim Adjustor (04/2025 – Present)
GlobeMed Lebanon

- Received and audited insurance claims from healthcare providers.
- Issued invoice reviews and validated claim information.
- Organized and closed claims in coordination with guarantors and groups.
- Reported suspected fraud and coordinated with risk carriers.
- Demonstrated time management, accuracy, and client communication skills.

University Projects

Final Year Project: Huntingtin Disease Research (01/2024 -12/2024)

- Investigated structural changes and protein interactions relevant to Huntington's disease using bioinformatics tools.
- Analyzed protein structural alterations and their implications in Huntington's disease progression.

- Utilized bioinformatics techniques to explore protein-protein interactions associated with Huntington's disease pathology.

Machine Learning Project: Heart Disease Prediction (09/2023 – 12/2023)

- Gathered reliable datasets to form the foundation for model training.
- Employed descriptive statistics and visualizations to explore relationships between variables, uncover patterns, and detect outliers.
- Cleaned, visualized, and split the dataset into training and testing sets to ensure accuracy.
- Selected three techniques for model development and comparison: Random Forest, Support Vector Machine, and Principal Component Analysis.