

LYNN SABBAGH

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PROFESSIONAL SUMMARY

Computer Science graduate with strong foundations in software development, machine learning, and data analysis. Experienced in building full-stack applications, developing predictive models, and working with parallel and networked systems. Seeking entry-level software or data/ML roles.

EDUCATION

Lebanese American University – Beirut

B.S. in Computer Science

Beirut, Lebanon

Sep 2022 – Fall 2025

- GPA: 3.4/4.0, Dean's Honor List
- Related Coursework: Data Structures & Algorithms, Object-Oriented Programming, Web Programming, Database Management Systems, Operating Systems, Parallel Programming, Computer Networks, Computer Organization & Programming

Collège des Pères Antonins, Baabda

Lebanese Baccalaureate – General Sciences

Baabda, Lebanon

Sep 2007 – Jul 2022

TECHNICAL SKILLS

Programming: Python, Java, JavaScript, C, C++, SQL

Web & Software Development: React, Node.js, Express, REST APIs, JWT, Tailwind CSS

Data & Machine Learning: Data Collection, Data Cleaning Preprocessing, Exploratory Data Analysis (EDA), Feature Engineering, Machine Learning Modeling, Model Evaluation, Data Visualization

Databases: MySQL, MongoDB, PostgreSQL, SQLite

Tools & Platforms: Git, GitHub, VS Code, Tableau

PROFESSIONAL EXPERIENCE

- **Supply Network Solutions (SNS) — Operational Consulting Intern** (Jul–Sep 2024):
Wrote Functional Business Requirements (FBRs) for the company's internal ERP system, helping define new features and workflows. Assisted in testing and validating new functionalities and worked with the team to improve system usability.
- **Securite Assurance — Office Management Intern** (Jun–Aug 2023):
Managed front desk operations, scheduling, invoice processing, and maintained organized administrative records.

PROJECTS

- **Course Tutorial Management Learning Platform:** Full-stack system with authentication, role-based access, enrollment and progress tracking. (*React, Node.js, MongoDB, JWT*)
- **Diabetes Risk Prediction:** Trained and evaluated ML models; deployed best model in web application using ROC-AUC selection. (*Python, scikit-learn, PyTorch*)
- **Parallel Weather Analytics:** Implemented CPU/GPU parallel statistical analysis; optimized CUDA kernel achieving 10.9× speedup. (*CUDA, OpenMP, MPI, Pthreads*)
- **ChatX Secure Messaging:** Built encrypted peer-to-peer chat and file transfer using TCP/UDP with multi-threading. (*Python, Sockets*)
- **E-Commerce Data Analysis:** Built ETL pipeline, SQL analytics (RFM/CLV), and dashboards; modeled repeat purchase behavior. (*Python, PostgreSQL, Tableau*)