

LYNN SAWTARY

+961 81 842 820 | lynnawtary@gmail.com | Bchamoun, Lebanon | [LinkedIn](#)

PROFILE SUMMARY

Computer and Communications Engineering student with hands-on experience in software engineering, backend development, mobile applications, and applied machine learning. Developed web, mobile, and AI-powered systems using React Native, Node.js, PHP, MySQL, and computer vision technologies. Strong foundation in software design, REST APIs, database architecture, and modern development workflows, with interests in full-stack software engineering and AI systems.

EDUCATION

Bachelor of Engineering in Computer & Communication Engineering

Jan 2023 – Dec 2026

Rafik Hariri University – Mechref, Lebanon

Cumulative GPA: 87/100, Dean's Honor List

TECHNICAL SKILLS

Programming Languages: C, C++, C#, Python, Kotlin, JavaScript, TypeScript

Web & Backend: Node.js, Express.js, PHP, HTML, CSS, JavaScript, REST APIs, JWT Authentication, Sequelize

Mobile Development: React Native, Expo

AI & ML: Multilayer Perceptron (MLP) and CNN model training & evaluation, data preprocessing

Software Engineering: Requirements Analysis, UML, System Design, Database Design, Git, Docker

EXPERIENCE

Software Engineering Intern – Quantum

June 2026 – Present

- Contributing to the development of a full-stack property management platform consisting of web, mobile, and backend applications.
- Designing and implementing database structures, RESTful APIs, and admin management features using Node.js, Express.js, TypeScript, Sequelize, and MySQL.
- Developing synchronized web and mobile solutions supported by a shared backend architecture.
- Supporting testing, deployment preparation, and collaborative development workflows using Git, Docker, and modern development tools.

Software Engineering Intern – Jaber Consulting

Jan 2026 – April 2026

- Developed and secured a Finance Dashboard web application using PHP and MySQL.
- Refactored all CRUD operations using prepared statements and implemented CSRF protection.
- Designed REST APIs with JWT authentication and role-based access control for secure mobile integration.
- Built financial aggregation and reporting endpoints for dashboard analytics.
- Developed a cross-platform React Native mobile application connected to the secured API, featuring JWT authentication, expense and revenue management, and an interactive financial dashboard.

PROJECTS

Smart AI Glasses for Visually Impaired Users – Final Year Project

Sep 2025 – April 2026

- Designed and built AI-powered Smart Glasses for the visually impaired, integrating computer vision, health monitoring, GPS tracking, and emergency alerts into a custom 3D-printed wearable under \$320.
- Trained and deployed real-time vision modules on Raspberry Pi 5: face recognition (LBPH), OCR, currency detection (YOLOv8), and obstacle detection.
- Integrated health sensors (heart rate, SpO₂, body temperature), fall detection via IMU, and emergency GSM alerts into the wearable prototype.
- Built a React Native mobile app and caregiver web dashboard for live health monitoring, GPS tracking, and alert management.

Machine Learning & Neural Network Projects

Sep 2025 – Dec 2025

- Implemented Perceptron and Multi-Layer Perceptron (MLP) models for classification and regression tasks.
- Improved model performance by 10–20% through data preprocessing, feature scaling, and hyperparameter tuning.
- Evaluated models using accuracy, RMSE, and MAE metrics.

LANGUAGES

Arabic (Native) | English (Fluent) | Turkish (Basic–Intermediate)