

# Mohamad Ghanem

Mobile App Developer

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## Education

**Bachelor's Degree in Computer Science**

**10/2022 – 07/2025**

Graduated from Islamic University of Lebanon

## Internship & training

**Violet Pro – Delivery Application**

**2026**

Collaborated in a 3-member team to build a **scalable delivery app** that streamlines order management and improves operational efficiency.

- Developed a scalable app using **Flutter** with Clean Architecture and **SOLID principles**.
- Implemented **secure authentication** (JWT, Google Sign-In, Guest Mode)
- Built **multi-step delivery & exchange workflow** with **multi-currency payments** (LBP & USD)
- Integrated **real-time notifications** via Firebase Cloud Messaging (FCM) for drivers
- Created a **QR Code scanner** to safely update order statuses and reduce human errors
- Optimized app performance through **API integration improvements** and notification pagination

**Impact:** Enabled faster, safer, and more reliable delivery operations, directly enhancing user experience and operational efficiency.

**SE<sup>2</sup> Software Engineering Program**

**2025.**

- Applied SOLID principles and design patterns to build scalable, maintainable systems
- Developed **RESTful APIs** and handled structured data (JSON, XML, CSV)
- Implemented **Repository pattern** and database layers using **PostgreSQL & SQLite**
- Strengthened **debugging, testing, and problem-solving** skills
- Collaborated using **Git/GitHub workflows** (branching, pull requests, code reviews)
- Wrote **clean, efficient, and production-quality code** following best practices

## Personal Projects

**Clinic Appointment App:** [GitHub](#)

**2024**

- Created an Android application using **Java, XML** to manage clinic appointments.
- Enabled doctors to add appointments and patients to view them through real-time updates.
- Utilized **Firebase Real time Database** for dynamic data handling.

**Transportation Mobile App:** [GitHub](#)

**2025**

- Developed a cross-platform transportation and scheduling app using **Flutter, PHP, and MySQL**.
- Integrated **Google Sign-In** for secure authentication
- implemented **Google Maps** for location selection
- Leveraged **Google Gemini API** to arrange passenger pickup points.
- Integrated **Stripe** Payment Gateway (test mode) to simulate **online payments**.
- Enabled **push notifications** using Firebase Cloud Messaging and device tokens.

**Car Sales and Rental System**

**:2024**

- Developed a **Java desktop app** for car sales and rentals during a university training project.
- Led the design and implementation of the **admin dashboard**, collaborating on backend logic.
- Built features for customer interactions and transactions using Windows Forms UI and a MySQL database.

## Skills

**Mobile Development:** Flutter, Java/XML, **Android Studio**, **Responsive UI/UX**

**Backend & Databases:** **RESTful APIs**, Firebase, **SQLite**, MySQL, PostgreSQL, **JSON**

**Practices & Tools:** Git, GitHub, OOP, SOLID Principles, Design Patterns, Clean Code