

# Malak AlKazem

Lebanon • +(961) 81243487 • Malakalkazem@outlook.com • linkedin.com/in/malak-alkazem •  
https://github.com/malakAlKazem

Motivated and fast-learning Software Developer with 1 year of hands-on experience in coding and mobile development. Completed the first year of a Master's in Computer Science, with strong skills in Java, Python, and integrating RESTful APIs. Built real-world projects including a fall detection system using machine learning and mobile technologies, a FoodApp with MVVM architecture in Kotlin, and a Budget Tracker App focused on personal finance tracking.

## EDUCATION

### Master's Degree in Computer Science

Lebanese University

09/2024 - 06/2026

### Bachelor's Degree in Computer Science

Lebanese International University • GPA: Cumulative GPA: 3.97

Lebanon • 10/2021 - 06/2024

President's Honor List for 3 semesters

## PROJECTS

### Fall Detection System

02/2024 - 05/2024

- Led the development of a mobile-based fall detection system using computer vision techniques.
- Applied Agile methodology to gather requirements and deliver a user-centric app.
- Implemented real-time alert notifications to instantly notify caregivers.

### Library Management System / Java

11/2024 - 12/2024

- Built a desktop app to manage books, genres, users, and personalized lists.
- Applied design patterns like Observer, Factory, Strategy, and Decorator.
- Utilized generics, lambda expressions, and collections for efficient data handling.

### FoodApp / Kotlin, MVVM, Retrofit, Room

12/2023 - 01/2024

- Built a mobile app that displays meals and categories using live API data.
- Implemented clean architecture (MVVM), Coroutines, and Retrofit for networking.
- Integrated Room database for saving favorite meals and filtering categories.

### Gold Price Prediction/ Python

11/2023 - 12/2023

- Applied ML algorithms: Linear Regression, Decision Tree, KNN, and Random Forest.
- Conducted data preprocessing, feature engineering, and model evaluation.
- Analyzed financial trends using supervised learning on historical gold data.

## CERTIFICATIONS

### Java Backend Development with Spring Boot & Hibernate

04/2025 - 08/2025

Studying backend development using Java, Spring Boot, and Hibernate frameworks.

### Nawaya Employment Hub – Employability Skills Program

05/2025 - 06/2025

Developed soft skills in communication, teamwork, problem-solving, and career readiness.

### Offensive Cybersecurity Bootcamp | Semicolon Academy & GDG

02/2024 - 03/2024

Gained knowledge in cybersecurity fundamentals, offensive techniques, and PortSwigger tool usage.

### WordPress Bootcamp | United Nations

02/2024 - 05/2024

Gained hands-on experience in building and managing websites using WordPress.

## SKILLS

**Libraries & Frameworks:** Pandas, Scikit-learn, Keras, PyTorch, TensorFlow, NumPy, OpenCV

**Mobile Development:** Java, Kotlin, Flutter, Android Studio, Firebase

**Other Programming Languages:** Python, Dart, JavaScript, MySQL

**Tools:** IntelliJ, VS Code, MySQL Workbench, jupyter notebook, Microsoft Office

**Languages:** Arabic (Native), English (Advanced: Reading, Speaking, Writing)