

# Malak AlKazem

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https://github.com/malakAlKazem

## Software & Mobile Developer | Experiences in Java, Python & Kotlin | Fast Learner who builds clean, scalable code

Motivated and fast-learning Software Developer with 1 year of hands-on experience in coding and mobile development. Currently pursuing 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

11/2024 - 06/2025

#### Bachelor's Degree in Computer Science

Lebanese International University • GPA: Cumulative GPA: 3.97

10/2021 - 06/2024

President's Honor List for 3 semesters

### PROJECTS

#### Fall Detection System

- 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

- 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

- 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

- 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

02/2025 - Present

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.

#### Cybersecurity Bootcamp | Semicolon Academy & GDG

02/2024 - 03/2024

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

## **IT Essentials: PC Hardware and Software | Cisco Networking Academy**

02/2024 - 06/2024

Learned core IT concepts including hardware, software, troubleshooting, and basic networking.

## **WordPress Bootcamp | United Nations**

02/2024 - 05/2024

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

### SKILLS

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

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

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

**Tools:** Git, GitHub, VS Code, IntelliJ, MySQL Workbench, GitHub, VS Code, MySQL Workbench, Canva

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