

Mahmoud Hassan

Android Developer

Giza, Egypt — hsn651113@gmail.com

Mobile: +201551922289

LinkedIn: [linkedin.com/in/mahmoud-hassan6](https://www.linkedin.com/in/mahmoud-hassan6)

Portfolio: mahmoud-hassan6.vercel.app

GitHub: github.com/hekal-4e

PROFESSIONAL SUMMARY

- Aspiring Android Developer with expertise in **Kotlin, Jetpack Compose, XML, Firebase, Room Database**, and **RESTful API** integration using **Retrofit** and **OkHttp**. Experienced in building responsive, high-performance mobile applications using **MVP** and **MVVM** architectural patterns with strong **UI/UX Basics, Design Patterns**, and **SOLID Principles**. Committed to delivering scalable, maintainable, and innovative mobile solutions that enhance user experience and optimize application performance for long-term success.

SKILLS SUMMARY

- Languages:** Kotlin, Java, Dart, C++
- Frameworks:** Jetpack Compose, Flutter, Android SDK
- Tools:** Android Studio, VS Code, IntelliJ IDEA, Git & GitHub, Ubuntu, Obsidian, Trello
- Databases:** Firebase (Firestore, Realtime Database, Authentication, Storage), Room Database, SQLite, SQL Server
- Architecture:** MVVM, MVP, Data Binding, Design Patterns, SOLID Principles
- Integration:** RESTful APIs, JSON, Retrofit, OkHttp, LiveData
- Soft Skills:** Problem-solving, Leadership, Teamwork, Communication, Time Management

PROJECTS

- JobVerse – Job Search Mobile Application (Kotlin, Jetpack Compose, Coroutines, Firebase, MVVM):** Developed a Kotlin-based job search app using Jetpack Compose with Firebase (Firestore, Auth, Storage) and MVVM with Coroutines. Led user profile features including profile creation, editing, and settings management.
- Veris – Advanced Android News Application (MVVM, Room, Retrofit, Coroutines):** Implemented MVVM with Repository, Room for offline caching, and Retrofit for API communication, using Coroutines, LiveData, and ViewModel. Added debounced search, swipe-to-delete with undo, and responsive loading states.
- Android Task Manager – Native Android Application (Kotlin, Java, RecyclerView, Notifications):** Native Android app implementing task creation, editing and completion toggles, local notifications and robust backward-compatibility. Key implementations: RecyclerView with DiffUtil for efficient list updates, BroadcastReceiver + NotificationCompat for notifications, and PendingIntent/flag handling for complete/uncomplete actions on older Android versions.
- Book Store App – Flutter (Flutter, Dart, UI/UX Design):** Designed a clean, user-friendly Flutter UI with Dart, adding book search, shopping cart, and categorized listings. Built smooth navigation and continue optimizing interface performance and engagement.

EXPERIENCE

- DEPI** Maadi, Egypt
Mobile Developer Trainee Nov 2024 - May 2025
 - Native Android Development:** Built native Android apps using Kotlin, OOP principles, Jetpack Compose, and modern architecture components while ensuring code quality, maintainability, and security through documentation, unit testing, and Android security essentials. Gained introductory knowledge in Kotlin Multiplatform (KMP) for cross-platform mobile development and UI/UX basics.

EDUCATION

- Thebes Academy** Giza, Egypt
Bachelor of Science - Computer Science July 2022 - EXP June 2026
Courses: Mobile App Development, Data Structures, Algorithms, Computer Architecture, OS, Data Bases

CERTIFICATIONS & TRAINING

- Flutter App Development – Thebes Academy & MASA (July–September 2023):** Acquired hands-on experience in Flutter and Dart with emphasis on UI design and state management, and enhanced performance optimization and user experience through intuitive interface design.

LANGUAGES

- Arabic: Native
- English: Intermediate

HONORS AND AWARDS

- Mobile Developer Trainee at DEPI - November, 2024
- The Chance Course On Youtube “70%” - October, 2024
- Flutter App Development Certificate - September, 2023