

Kareem Essam

Android Developer

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SUMMARY

Aspiring Android Developer with a strong foundation in Kotlin, Java, and MVVM architecture. Skilled in building user-friendly and scalable applications. Passionate about creating intuitive mobile experiences and continuously learning to enhance my development skills.

EDUCATION

BACHELOR OF COMPUTER SCIENCE	Ismailia
Suez Canal university	2022-present
ISMAILIA STEM SCHOOL	Ismailia
School for high educated students	2019-2022

EXPERIENCE

Digital Egypt Pioneers Initiative (DEPI) OCT 24-present

Mobile Application Development Track: learned about Android development fundamentals and crafting some advanced projects, applying modern development practices.

Instructor at Hexa Code Academy MAR 25-present

Teaching basic programming topics, data structure and algorithms to an intermediary and high school students offline.

Google Developer Student Clubs (GDSC) 2022-2023

Helped in teaching fundamental cross-platform concepts and Flutter basics, guiding students in understanding key principles and best practices.

LATEST PROJECTS

KNews – (News Application) ([Repo Link](#))

- **Stack:** Kotlin, Jetpack Compose, MVVM, Hilt, and Paging for modern and efficient architecture.
- Fetches and displays news articles using the **NewsAPI**.
- Implement **Room** for bookmarked articles and a **search function** for easy navigation.
- Implemented a **dynamic** search feature for a seamless user experience.

OMO - (MOVIES APPLICATION) ([Repo Link](#))

- **Stack:** Kotlin, Xml, Retrofit
- **Movie Details:** Fetched and displayed detailed information about movies, including ratings, posters, and descriptions, using the **TMDB API**.
- **Recycler View animations** and item transitions to enhance the user experience when scrolling through movie lists.
- Bookmark articles and a **search function** for easy navigation.

MEMOMATE – (LIGHTWEIGHT NOTES APP) ([Repo Link](#))

- **Stack:** Kotlin, Room, RecyclerView
- **Clean and Intuitive Interface:** Designed a simple and visually appealing user interface to enhance user experience.
- **Search Functionality:** Integrated a built-in search feature to allow users to easily find specific notes using keywords.

KEMO DJ – (MUSIC PLAYER) ([Repo Link](#))

- **Stack:** Java, Xml
- **Playlist Management:** Enabled users to create, edit, and manage custom playlists dynamically.
- **Intuitive UI/UX:** Designed a user-friendly interface for seamless navigation and interaction.

PAINT APP – (JAVA-BASED DRAWING APPLICATION) ([Repo Link](#))

- **Stack:** Java, Swing
- **Drawing Tools:** Implemented functionality for users to draw freehand shapes and lines on a canvas.
- **Color Selection:** Integrated color picker options, including predefined color buttons and a custom color fill tool for advanced color selection.

SKILLS

- **Programming Languages:** Java, Kotlin, Python, C/C++, Dart, JavaScript
- **Technologies & Tools:** Android SDK, Jetpack Compose, Firebase, Git, GitHub
- **Frameworks & Libraries:** Retrofit, Room, Dagger/Hilt, Coroutines, LiveData
- Problem-solving and analytical thinking
- Strong communication and teamwork
- Adaptability and quick learning

LANGUAGES

- **Arabic (Native)**
- **English (B2)**