

Ahmed Tarek Fahim

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Summary

• Highly motivated Computer Science graduate dedicated to continuous learning and professional development. Quickly adapting to evolving technologies and environments, showcasing proactive problem-solving abilities. A collaborative team player known for driving innovation through effective communication and problem-solving skills.

Education

Cairo University

2020 – 2024

- Bachelor's Degree: Faculty of Computer Science
- Cumulative GPA: 3.23

Department: Information Systems

Relevant Coursework

- Flutter & Dart Complete Development
- Flutter Deep Dive into Clean Architecture
- Flutter- Responsive & Adaptive UI Design
- Git & GitHub Essential Skills for Developers
- Flutter Advanced Course Bloc and MVVM Pattern
- Flutter Payment Integration Stripe
- Flutter State Management with GetX

Projects

• My Notes App

- Developed a feature-rich notes application allowing users to create, edit, search, and delete notes with customizable backgrounds and light/dark theme support.
- Implemented a search functionality enabling users to filter notes by title for quick access.
- Integrated support for both text and image content within notes, enhancing content versatility.
- Designed a user-friendly interface with GetX for state management and Get Storage for efficient local data storage.
- Applied the MVVM architecture pattern to ensure maintainable and scalable code structure.

• T Store E-commerce App

- Developed a fully-featured e-commerce application with a secure authentication system supporting email, Gmail login, and email verification using Firebase Auth.
- Designed a user-friendly home interface with searchable products, popular categories, and highlighted product sections.
- Implemented a comprehensive store view, including featured brands and categories, allowing users to explore products, view details, add items to wishlist or cart, and submit reviews.
- Integrated a wishlist view and profile management features, enabling users to manage addresses, view cart contents, check orders, and access coupon details.
- Developed a checkout process with discount options, address selection, and Stripe payment integration for seamless transactions.
- Incorporated multi-language support (English and Arabic) and light/dark themes for an accessible user experience.
- Utilized Firebase Firestore for backend data, Firebase Storage for image storage, and GetX for efficient state management and local storage, following the MVVM architectural pattern.

• Spotify Clone App




- Developed a feature-rich music streaming application with a secure authentication system supporting email, Google login, and email verification using Firebase Auth.
- Designed an intuitive onboarding process allowing users to choose light or dark themes, followed by account registration or login options.
- Implemented a home view featuring recently played playlists, user-created playlists, popular playlists, and access to offline playlists stored locally.
- Enabled playlist creation, search functionality, and playlist management, including adding songs, downloading for offline playback, and seamless song playback controls with lyrics display.
- Developed a discovery view for finding and following users, viewing public playlists, and accessing other users' profiles.
- Created a favorites screen for adding and managing favorite songs, with playback support.
- Built a profile management system where users can update profile pictures, view followers and following lists, and showcase public songs.
- Integrated settings with theme toggling, logout functionality, and account deletion via re-authentication.
- Implemented Firebase Messaging for push notifications to inform users when a new album is added.
- Utilized Cloud Firestore as the backend, Supabase for storage, and Hive for offline song storage, ensuring efficient data handling.
- Followed the MVVM architectural pattern and clean architecture principles for scalable and maintainable code.
- Leveraged GetX for state management and local storage, ensuring a responsive and smooth user experience.

Skills

- OOP | RESTful APIs | Design Pattern | MVVM | MVC | Clean Architecture | Clean Code | Git | Solid Principles | Java | C++ | Dart |
- Bloc Pattern | Problem Solving | Flutter Development | State Management | Testing and Debugging | Firebase | Communication Skills |
- agile development methodologies | Data Structures | English

Others

- **Apps Download Links**

-  [My Notes](#)
-  [T Store](#)
-  [Spotify \(clone\)](#)