



# Abdelaziz Ali Al-Araby

## Mobile App Developer

 Giza, Egypt

 01015423492

 [abdelaziz2004264@gmail.com](mailto:abdelaziz2004264@gmail.com)

 [LinkedIn Profile](#)

|  [abdelaziz2642004](#)

|  [Portfolio](#)

|  [Codeforces](#)

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### About Me:-

Enthusiastic **Mobile App Developer** with hands-on experience in building cross-platform applications using Flutter and Firebase. Proficient in **state management**, **API integration**, and crafting **responsive UI designs**. Successfully developed key features such as user authentication, theme switching, and real-time database interactions. Passionate about continuous problem-solving and improving technical skills daily. Strong foundation in **data structures**, **algorithms**, and object-oriented programming (**OOP**). Eager to contribute to a dynamic development environment while creating impactful, user-centric applications.

### Key Classes:-

Data Structures & Algorithms | Object-Oriented Programming | Software Design & Architecture | Operating Systems | Flutter | Data Compression | Mobile Development | Web Development | Database Management | Problem Solving & Debugging

### Education:-

**Faculty of Computers and Artificial Intelligence, Cairo University ( FCAI-CU ) 2022 - 2026**

Department of Computer Science GPA: 3.32/4.0

### Projects:-

GitHub Repository for all my Flutter projects, current and future projects: [Flutter Projects](#).

#### Learning management System using Spring Boot using Java

- **GitHub Repository:** [LMS](#)
- Designed and implemented a learning management system using the **Spring Boot** framework and file-based APIs, facilitating student, instructor, and admin operations. The system enables students to attend lessons, submit assignment solutions, and take quizzes.
- Empowered instructors to create courses, design quizzes, upload assignments, develop lessons, and manage grading. Integrated user registration, login, profile updates, and a notification system for seamless interaction and system management.

## QuranApp (IRTAQY) – Quran Reading & Tafsir App (Still In Progress)

Built with Flutter, River-pod (Future Provider), Bloc Cubit, and Quran.com API

- **GitHub Repository:** [IRTAQY](#) ( private & still in progress )
  - **State Management & API Handling**
    - Used **Riverpod FutureProvider** for API calls and data caching.
    - Managed UI state with **Bloc Cubit** for Tafsir, playback, and user preferences.
  - **Key Features**
    - **Fast Search & Optimization:** Implementing efficient Surah & Reciter search with optimized database queries.
    - **Tafsir & Quran Reading:** Integrated **Tafsir API**, enabled verse highlighting, and ensured smooth scrolling.
    - **Personalization:** Added dark mode, font customization, and persistent settings.
    - **Audio Playback:** Built verse-by-verse recitation, continuous playback, and optimized buffering.
    - **User Engagement:** Implemented favorites, streak tracking, and animated navigation.
    - **Offline Access:** Developed Surah downloads, offline playback, and file management.
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## Aklatoo – Meal Planning App

Built with Flutter, Firebase, and River-pod

- **GitHub Repository:** [Aklatoo](#)
- **State Management & Data Handling**
  - Used Firebase for real-time storage and authentication.
  - Managed state efficiently with River-pod.
- **Key Features**
  - **Meal Categories:** Organized meals with details like ingredients, steps, and cost.
  - **Favorites:** Users can mark meals, with a percentage-based favorite display.
  - **Authentication:** Sign-up, log-in, email verification, and password recovery.
  - **User Profiles:** Profile picture updates, password changes, and secure email updates.
  - **Data Security:** Firebase-managed user data and meal details.
  - **Filters & Dark Mode:** Enhanced meal discovery and improved UI.

## Simple Expenses App : Expenses app developed with Flutter and Firebase

- **GitHub Repo:** [MyExpenses](#)
  - Developed MyExpenses, an app for tracking and managing personal expenses using **Flutter** and **Firebase**.
  - Allowed users to add, edit, and delete expenses with details such as category, amount, date, and description.
  - Integrated real-time data storage using Firebase for syncing expenses across devices.
  - Developed statistical insights feature to help users analyze and understand their spending patterns.
  - Added dark mode for an enhanced user experience and better accessibility.
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## Library Management Website ( HTML , CSS , JavaScript , Django & Python )

- **GitHub Repository:** [Library Management Website](#)
  - Used **Django** and **Python** for backend development due to their efficiency, scalability, and strong support for database management
  - Implemented features to add, edit, search, and delete student and book data
  - Created a user-friendly interface with secure backend for efficient data management
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## Implemented Data structures

- **GitHub Repository:** [Data Structures](#)
- Implemented key data structures including Binary Search Trees, Red-Black Trees, Heaps, and various hashing techniques.
- Developed sorting algorithms such as Insertion Sort and Quick Sort, along with other structures like Queues, Stacks, and Linked Lists.

## Experience:-

- Solved 500+ problem with max rate 1200+ (Pupil) at Codeforces and leetcode.
- ECPC qualifications 2023 [Certificate](#)
- ECPC qualifications 2024 [Certificate](#)
- Flutter Committee Member at both **Minders** & **Google GDG MTI**
  - Actively involved in building and supporting Flutter projects, including the **QuranApp** with Minders.
  - Collaborating with a team of developers to promote Flutter development and best practices.
- Flutter Committee Member at
- Former English Teacher at Gateway English Community ( 2+ Years of experience )
  - Focused on clear communication, patience, and effectively explaining complex concepts to diverse learners.
- Former Sales Agent at Teleperformance and Concentrix for 6 months
  - Gained experience in customer interactions, problem-solving, and sales strategies.

## Skills:-

- Problem Solving & Debugging
- State Management (Riverpod, Bloc Cubit)
- Flutter Development
- OOP & Design Patterns
- Firebase Integration
- Software Design and Architecture
- Authentication with Security
- Firebase storage data management
- Programming Languages: Proficient in C++, java , python with experience in mobile development using Dart (Flutter)
- Version Control: Git and GitHub.
- Teamwork & Collaboration: Strong ability to work effectively in a team, contributing to a collaborative and productive environment.
- Teaching & Soft Skills: Excellent teaching skills, with a focus on clear communication, patience, and the ability to explain complex concepts effectively and fluent in English and Arabic.