

MAHMOUD ADEL ALI

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Summary

Flutter Developer with 3+ years of experience building scalable mobile applications using Dart, Flutter, Firebase, and RESTful APIs. Skilled in state management (BLoC, Provider), Clean Architecture, and integrating third-party services including Stripe, Paymob, and PayPal. Strong background in UI/UX design, testing, and agile teamwork. Proven record of leading mentoring sessions and delivering award-winning applications.

Skills

- **Technical Skills:** Flutter, Dart, Firebase, RESTful APIs, Provider, BLoC, MVVM, Clean Architecture, SOLID Principles.
- **Mobile Development:** Mobile Applications, Application Development (iOS & Android), Cross-Platform Development
- **Tools & Platforms:** Git, GitHub, Postman, Swagger, Figma, Hive, Dio
- **Testing & Debugging:** Unit Testing, Debugging, Troubleshooting
- **Other Skills:** OOP, Data Structures & Algorithms, Agile Methodologies, Problem Solving, Communication (English proficiency).

Work History

- **Flutter Developer — CodoSoft Company** | July 2025 – Present
 - Developed a responsive sales application and management dashboard using Flutter and Firebase.
 - Implemented advanced invoice handling (discounts, taxes, PDF export), improving billing efficiency by 25%.
 - Integrated state management (Provider) and Hive for local storage, enhancing app performance and stability.
 - Collaborated with backend developers to implement REST APIs, reducing integration issues by 30%.
- **Flutter Mentor | Cipher** | Feb 2024 – June 2025
- **Flutter Mentor | Google Developer Student Clubs (GDSC)** | Mar 2024 – Mar 2025
- **Member | SMART FAMILY** | Mar 2024 – Sep 2024

Education

Bachelor of Science in Computer Science and Artificial Intelligence | Faculty of Computer and Artificial Intelligence, Sohag University – Egypt | September 2021 – June 2025

Projects

PharmAssist | Graduation Project | Dec 2024 – Jun 2025

- Mobile app using OCR to detect handwritten prescriptions and provide dosage/side effect details.
- Integrated with a medical database to improve patient understanding.
- **Ranked 1st** in department graduation projects.
- **Tech:** Flutter, Firebase, OCR, REST APIs.

AL QUDRAH (Dashboard & Sales App) | CodoSoft Company | Jul 2025 – Sep 2025

- Developed a management system including a responsive dashboard and mobile sales app.
- Implemented system analytics, product/customer management, and advanced invoice handling (discounts, taxes, PDF export).
- Used Provider for state management, Hive for local storage, and Dio for API integration
- **Tech:** Flutter, Provider, Hive, Dio, Rest APIs

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Bedouin Trails – Admin Dashboard | CodoSoft Company | Jan 2026 – Mar 2026

- Built a **cross-platform admin dashboard** to manage tourism trips, bookings, users, and platform content.
- Implemented analytics, booking management, and trip control features through a responsive UI.
- Structured the project using **feature-based architecture** with clean separation of modules.

Tech: Flutter, Provider, Hive, Dio, Rest APIs.

Creativa App (Hackathon Project) | Flutter Hackathon | Sep 2025

- Built an award-winning app that included secure authentication and account management.
- Designed course and favorites screens with clean **UI/UX** and engaging animations.
- Added notifications and achievement tracking with progress bars.
- **Won 1st place at Creativa Hackathon.**
- Tech: Flutter, Firebase, Authentication APIs.

Turath App | Team Project | May 2024 – Jul 2024

- Developed an app showcasing historical details of the Red Monastery.
- Collaborated with a student team to implement features and optimize performance.
- Tech: Flutter, Firebase

OpenAI App | Personal Project | Sep 2024 – Des 2024

- Built a Flutter app integrating **google_generative_ai** for text and image generation
- Added chat history and dark/light mode features.
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Payment Integration | Personal Project | Sep 2024 – Nov 2024

- Implemented multiple payment gateways in **Flutter (Stripe, Paymob, PayPal)**.
- Demonstrated secure and scalable payment solutions
- Tech: Flutter, Stripe, Paymob, PayPal APIs.

Tic-Tac-Toe | Personal Project | Jul 2024 – Sep 2024

- Built a two-player **X-O** game with **MVVM** architecture.
- Implemented splash screen and game view.
- Tech: Flutter, MVVM.

Chat App | Personal Project | Mar 2024 – May 2024

- Developed a real-time chat app with phone number login and **OTP** confirmation.
- Implemented chat features using **Firestore** authentication and database.
- Tech: Flutter, Firebase Auth, Firebase Database.

Courses

- (Payment integration , Master **Git & GitHub** , Bloc & MVVM pattern) with **Instructor Tharwat Samy** in Udemy.
- **Flutter & dart & firebase** complete development with **Instructor Ali Hassan Ali** in Udemy.

Certificates

- Flutter & Dart & Firebase Complete Development (Udemy – Ali Hassan)
- Payment Integration, Master Git & GitHub, BLoC & MVVM (Udemy – Tharwat Samy)
- Flutter App Creation: Google Maps Integration Guide (Udemy – Tharwat Samy).

Achievements

- **Ranked 1st** in Graduation Projects, Sohag University (Jun 2025)
- Winner, **Flutter** Hackathon by Creativa (Sep 2025) – **1st Place**.