

Ahmed Mahmoud Eltantawi

Flutter Mobile Application Developer

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PROFILE

Dedicated Flutter Developer with expertise in building responsive, cross-platform mobile applications using Dart. Specializing in advanced state management (BLoC/Cubit), REST API integration, and Firebase. Passionate about writing scalable, maintainable code using Clean Architecture and MVVM patterns, with a strong focus on performance optimization and seamless user experiences. Leveraging AI-assisted development tools to accelerate coding cycles, optimize performance, and streamline debugging processes.

PROJECTS

Fervo Chat-App [🔗](#)

03/2026

Real-time Messaging Application

- Engineered a cross-platform, real-time chat application using Flutter and Firebase to deliver instantaneous message synchronization via Cloud Firestore streams.
- Architected the codebase using the MVVM pattern and implemented robust state management with BLoC / Cubit, ensuring a clean separation of UI and business logic.
- Integrated comprehensive user onboarding via Firebase Authentication, supporting Email/Password, OTP verification, and secure OAuth 2.0 social logins (Google, Facebook).
- Developed a custom, dynamic theming engine to enhance user personalization and app accessibility across various screens.

ShopX [🔗](#)

04/2026

E-commerce Mobile App

- Developed a luxury minimalist e-commerce application that enables merchants to add, edit, and manage products efficiently.
- Integrated RESTful APIs to handle dynamic data and ensure seamless communication with backend services.
- Tested and managed API requests using Postman to validate data flow and debug responses.
- Implemented product features including CRUD operations, category selection, and image upload using image_picker.
- Designed a high-end UI/UX with custom theming (light/dark mode) and optimized user interactions.

Responsive Dashboard App [🔗](#)

02/2026

- Architected a fully responsive, multi-platform dashboard (Mobile, Tablet, Desktop) utilizing LayoutBuilder and MediaQuery to fluidly manage complex screen constraints.
- Designed a scalable, reusable UI component library alongside a custom typography system that dynamically scales based on device aspect ratios.
- Executed adaptive navigation patterns by conditionally rendering side drawers versus bottom app bars to maximize screen real estate and optimize UX across device types.

SkySense [🔗](#)

01/2026

Location-Aware Weather Application

- Engineered a weather application integrating external REST APIs to fetch real-time meteorological data and power an autocomplete location search functionality.
- Created an immersive, adaptive user interface that programmatically updates the app's color scheme and triggers custom Lottie animations based on live weather conditions.
- Implemented resilient offline-first capabilities and robust API error handling using Cubit, ensuring an uninterrupted user experience during network drops.

EXPERIENCE

Flutter Developer Intern

02/2026 – Present

IEEE Mansoura Computer Society Chapter [↗](#)

- Built 5+ high-performance cross-platform mobile applications using Flutter and Dart, delivering responsive UIs and applying the MVVM pattern to improve codebase maintainability and reduce feature development time by 20%.
- Worked collaboratively in an Agile team of 10+ members, demonstrating strong teamwork, communication, and problem-solving skills while implementing features with State Management (Bloc / Cubit) and integrating REST APIs to deliver scalable mobile solutions.

Flutter Developer Intern

08/2025 – 02/2026

MEGA Team [↗](#)

- Collaborated closely with senior developers, UI/UX designers, and backend engineers across cross-functional teams to achieve project milestones, translated design mockups into pixel-perfect interfaces, and integrated 5 distinct REST API endpoints.
- Maintained strict version control with Git and improved code maintainability by reviewing and approving 50+ commits, enforcing MVVM architectural standards throughout the project lifecycle.

TECHNICAL SKILLS

- **Languages:** Dart, Python, C, HTML, CSS
- **State Management:** BLoC / Cubit, Provider
- **Backend & APIs:** REST API Integration, JSON parsing, HTTP requests, Firebase (Authentication, Cloud Firestore, Core Services)
- **App Capabilities:** Local Storage (SQLite/ SharedPreferences), Complex Navigation & Routing, Debugging & Performance Optimization
- **Frameworks & Mobile Dev:** Flutter, Android, iOS, Responsive UI, Adaptive Layouts, Material Design
- **Architecture & Patterns:** MVVM, OOP, Design Patterns
- **Tools & Version Control:** Git, GitHub, Android Studio, VS Code
- **AI & Productivity Tools:** Claude, ChatGPT, Cursor, Antegravity

EDUCATION

Bachelor of Software Engineering

2025 – Present

Faculty of Computers and Information Sciences, Mansoura University [↗](#)

GPA: 3.8/4.0

Relevant Coursework: Object-Oriented Programming (OOP), Data Structures, Algorithms, Information Systems, Web Development, Machine Learning, Software Engineering Principles and System Design.

Digital Egypt Cubs Initiative (Levels 1 & 2)

2022 – 2024

Ministry of Communications and Information Technology [↗](#)

- Completed intensive training in programming fundamentals and problem-solving.
- Studied the basics of Artificial Intelligence and software development.
- Developed teamwork, communication, and project collaboration skills.
- Collaborated with a team to build a real-world software project.

COURSES

Flutter Advanced Course: Bloc and MVVM Pattern [↗](#)

03/2026

Udemy [↗](#)

Completed an advanced Flutter course focused on Bloc and Cubit state management and the MVVM architecture pattern. Built practical applications including Fervo, applying scalable state management, separation of concerns, and maintainable UI architecture in Flutter.

Mastering Flutter: Responsive & Adaptive UI Design [↗](#)

02/2026

Udemy [↗](#)

- Built responsive Flutter applications using MediaQuery and LayoutBuilder.

- Applied screen size handling techniques to support mobile, tablet, and desktop devices.
- Delivered two admin dashboard projects.
- Optimized UI performance for a smooth user experience.

Complete Flutter & Dart Development Course [↗](#)

Udemy

Created cross-platform mobile applications using Flutter and Dart, including NewsCloud (news application) and a real-time chat application. Applied core software engineering concepts such as Object-Oriented Programming (OOP) and RESTful API integration, and built responsive user interfaces for Android and iOS using a single codebase.

CS50: Introduction to Computer Science [↗](#)

08/2025

Harvard University

- Learned core computer science concepts, including programming, algorithms, data structures, OOP, AI, and SQL.
- Built a final project applying computer science principles and problem-solving skills.

CERTIFICATES

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| • McKinsey Forward Program - Soft Skills for Emerging Leaders ↗ | • Digital Egypt Cubs Initiative (Levels 1 & 2)- MCIT ↗ | • Skills from Google - Fundamentals of Digital Marketing |
| • DECI Innovation Day - INJAZ & Google | • Leadership Skills - Edraak | • Personal Branding - Edraak |

AWARDS

Best Presenter – Summer Coding Bootcamp

02/2024

- Delivered a clear and engaging technical presentation on mobile application development during the bootcamp.
- Demonstrated real-world development scenarios and problem-solving approaches in mobile applications.
- Designed clean and responsive mobile UI interfaces, translating application requirements into intuitive user experiences.

College Excellence in Presentation Award

10/2025

Awarded First Place at the faculty as the Best Presenter in Communication Skills & Group Dynamics, under the supervision of Dr. Samaa Shohied.

- Communicated software architecture and development concepts effectively to both technical and non-technical audiences.
- Presented structured and professional technical presentations with strong communication and teamwork skills.

International Mathematics Competition – 2nd Place

12/2020

Kangaroo

- Awarded 2nd place and a Gold Medal, successfully competing against over 6 million participants worldwide.

VOLUNTEERING

Resala Charity Organization [↗](#)

07/2025

Volunteer

- Supported blind individuals with their studies and daily activities.
- Participate in health and education initiatives and food distribution campaigns.