

Abdelwahab Mohamed Abdelwahab

Flutter Developer

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Results-driven Flutter Developer with solid experience in building cross-platform mobile applications using Dart. Adapt at crafting clean, maintainable code and implementing responsive, user-friendly UI/UX designs. Strong understanding of state management, API integration, and Firebase services. Eager to contribute to innovative projects and continuously expand technical skills.

Education

Kafr El-Sheikh University, Faculty of Engineering

Aug 2020 - Jun 2025

Bachelor's Degree Electrical Engineering

Minor: Software Engineering

GPA: Very Good (B+)

Projects

GlucoMate

Jan 2025 - Jul 2025

A healthcare application integrated with a non-invasive glucose measurement device and two AI & Machine Learning models

- Designed and developed a medical app for real-time blood glucose monitoring.
- Integrated with a custom hardware device to read and analyze patient data without the need for invasive methods.
- Used Supabase for authentication, database management, and storing user-specific health records securely.
- Implemented an AI-powered chatbot using Gemini API to interact with users, answer health-related queries, and provide emotional support.
- Developed a personalized daily health advice system that generates tips based on the user's health status and sensor data.
- Included features for health monitoring, early diabetes detection, and predictive alerts using real-time data and ML logic.
- Focused on scalable architecture, privacy, and clean UI/UX for a professional medical experience.

OpenFashion

May 2025 - Jun 2025

A Flutter-based fashion discovery application.

- Built a sleek mobile app showcasing the latest fashion trends in clothing and accessories.
- Utilized state management for dynamic UI updates and implemented a custom credit card widget for payment simulation.
- Focused on clean UI/UX with interactive components and smooth navigation.

Runway E-commerce App

Mar 2025 - Apr 2025

An e-commerce mobile app for clothing across all demographics.

- Developed a professional e-commerce app using Flutter and Dart.
- Designed intuitive interfaces and organized product layouts for men, women, and kids.

- Ensured responsiveness and modular design across different screen sizes.

Work Experience

Freelance Flutter Developer

Apr 2024 - Present

Remote | Self-employed

- Developed and published a diabetes monitoring app for Android.
- Implemented real-time data visualization using custom widgets.
- Used APIs and Supabase for backend services.
- Delivered clean, maintainable, and scalable code.

Flutter Developer – Graduation Project

Aug 2024 - Jun 2025

[Faculty of Engineering](#) | *Kafr El Sheikh University*

- Developed a non-invasive blood glucose monitoring mobile app using Flutter.
- Connected the app with real-time sensor data via Bluetooth/ESP32.
- Displayed dynamic charts and alerts for patient monitoring.
- Collaborated with hardware and AI teams to ensure system integration.

Data Science Intern

Oct 2024 - May 2025

[EYOUTH](#) | [Digital Egypt Pioneers Initiative \(DEPI\)](#) | *Tanta, Egypt*

- Participated in a national upskilling program focused on data science and analytics.
- Worked on a sales forecasting project using Python, Pandas, and machine learning techniques.
- Gained experience in collaborative teamwork, problem-solving, and project-based learning.
- Applied version control using Git and presented findings in a real-world business context.

Languages

English (*Conversational*), Arabic (*Fluent*)

Core Skills

Technical Skills: Flutter, Dart, Responsive UI, Material Design, Custom Widgets, Animations, Provider, Riverpod, setState, InheritedWidget, Supabase (Auth, Realtime DB, Cloud Storage), Gemini API (AI chatbot integration), JSON handling, Figma to Flutter, Navigation, Theme Management, Clean UI Principles, Git, GitHub, VS Code, Android Studio, Debugging Tools, Supabase Auth, Role-based access, Data privacy principles, Basic Machine Learning, Data Visualization, Health Prediction Logic

Soft Skills: Teamwork, Time Management, Problem Solving, Continuous Learning, Communication, Critical Thinking

Additional

- Available for full-time or freelance Flutter development roles.
- Completed graduation: June 2025, Faculty of Engineering, Kafr El Sheikh University.
- Exempted from military service