

# Mahmoud Adel El-Araby

## Full-Stack Software Engineer

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### Profile

Results-driven Full-Stack Software Engineer specializing in Flutter, React.js, and Node.js for building scalable cross-platform mobile and web applications. Proficient in Dart, JavaScript, SQL, and Firebase, with expertise in RESTful APIs, NoSQL databases, and clean UI/UX design. Strong problem-solver skilled in Agile development, debugging, and performance optimization.

### Education

National Damietta Institute for Engineering and Technology	2019 - 2024
Bachelor in Communication and Electronics Engineering   Grade: Very Good	
Mohamed El said Experimental School   High School Diploma	2019

### Skills

- Programming Languages:** Dart, Java, JavaScript, SQL
- Frameworks & Tools:** Flutter, Firebase, Node.js, Bootstrap, Android Studio, Visual Studio Code
- Databases:** Firebase Realtime DB, Firestore, NoSQL, SQL
- Version Control:** Git, GitHub, CI/CD
- Methodologies & Soft Skills:** Agile, Scrum, Problem-solving, Teamwork, Communication, Debugging

### Work Experience

#### Food Ordering App (Sept 2024 – Nov 2024)

- Developed a cross-platform food ordering app using Flutter and Firebase, featuring a clean UI and real-time order tracking
- Improved order management efficiency by 25% through optimized database design and responsive interface.

#### iSources Portfolio Website (Oct 2025)

- Developed a professional company portfolio website using HTML, CSS, Bootstrap, React.js, and Node.js, hosted on Bluehost.
- Enhanced site performance and SEO, improving page load speed by 35% and increasing overall user engagement.

### Projects

#### E-Comm App (Aug 2025)

- Developed a full-stack e-commerce mobile app using Flutter, Node.js, and Google Fonts, improving UI consistency by 30%
- Integrated Stripe for secure checkout and payment handling.

#### Nova AI- 'AI Chat Assistant' (Jul 2025)

- Built an AI-powered chat assistant using Flutter, Hive, and the OpenAI API, supporting multiple conversational modes.
- Designed custom personas with tailored prompts and avatars to enhance user engagement by 40%.
- Implemented session management, seamless navigation, and custom UI/UX components for an improved user experience.

#### Web Development - 'AR Wear' (Apr 2025 - May 2025)

- Built a clothing store web application using HTML, CSS, Bootstrap, Node.js, Express, and Firebase.
- Integrated the Stripe API for secure online payments, achieving 100% successful transaction processing during testing.

#### Graduation Project - 'Vital Link' (Jan 2024 - Jul 2024)

- Developed a mobile application for real-time patient vitals monitoring using Flutter and Firebase as part of the graduation project
- Implemented real-time data synchronization and optimized performance, improving monitoring accuracy by 20%.
- Designed an intuitive dashboard for displaying heart rate, temperature, and oxygen levels.

### Languages

- English (Fluent)
- Arabic (Native)