SHAIMAA DWEDAR

Computer Engineering Student | Flutter Developer (Mobile & Web) | AI & Full-Stack Enthusiast
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OBJECTIVE

Passionate Flutter Developer and Computer Engineering student specializing in building crossplatform mobile and web apps with clean architecture, MVVM, and AI-powered features. Skilled in offline-first solutions, PostgreSQL integration, and creating seamless user experiences using Flutter and Dart.

EXPERIENCE

Software Development Trainee – Dimensions Info-tech, Ramallah (2025)

- Developed and maintained cross-platform mobile applications using Flutter & Dart.
- Implemented MVVM architecture to separate UI and business logic, ensuring scalability.
- Applied SOLID principles and clean code practices for maintainable projects.
- Integrated PostgreSQL and offline-first databases for local data persistence.
- Added AI-powered Speech-to-Text features using the Whisper API for voice input.
- Built a real-time commenting system to enhance interactivity.
- Utilized logging tools for debugging and performance optimization.
- Delivered multilingual support (Arabic & English) with offline functionality.

Freelance / Personal Projects Flutter Mobile Apps: IdeasTracker Mobile & Time Capsule App

- Built cross-platform mobile applications using Flutter with offline-first support synced to PostgreSQL.
- Implemented AI-powered idea suggestions to enhance user creativity and engagement.
- Integrated voice input using AI-based Speech-to-Text, allowing hands-free idea entry.
- Ensured smooth offline-to-online data sync, maintaining data consistency across devices.

Hajj Companion App & Mini Communication App

- Designed and developed full-stack mobile and web applications to practice end-to-end development skills.
- Implemented AI-enhanced modules in certain features, such as smart reminders and predictive text suggestions.
- Focused on clean UI/UX design to ensure intuitive navigation and user experience.

IdeasTracker – Voice-Based Idea Collection Web App

- Developed a web application that allows users to collect and organize ideas using voice input.
- Integrated an AI chatbot to help users refine and improve their ideas in real-time, providing smart suggestions and guidance.
- Connected to a live database to support real-time updates, comments, and collaborative idea tracking.
- Focused on building an interactive and user-friendly interface for seamless idea management.

Project Management & Implementation

- Handled project planning, feature design, and implementation independently.
- Coordinated UI/UX, database structure, and AI integration to deliver fully functional applications.
- Applied best practices in code quality, architecture (MVVM), and modular design for maintainable projects.

EDUCATION

B.Sc. in Computer Engineering
Al-Quds University – Jericho, Palestine
Expected Graduation: June 2026

- 5th-year student with a strong focus on full-stack development, mobile apps, and AI integration.

Relevant Courses & Training:

- Software Development Training, Dimensions Info-tech – Ramallah (2025)
- Front-End Developer Nanodegree, Udacity
- Python & Machine Learning, The Hope International

SKILLS

Technical Skills

- **Programming Languages**: Dart ,C, C++, JavaScript, Python, PHP
- **Frameworks/Libraries:** Flutter ,React, React Native, Node.js, Bootstrap, Tailwind CSS
- **Databases & Cloud:** Firebase (Realtime & Firestore), SQL, PostgreSQL, Cloudinary
- **Development:** Full-Stack, Mobile & Web, Responsive Design, API Integration, AI Chatbots, Speech-to-Text
- **AI Integration:** Whisper API, Chatbot APIs
- **Architecture & Code Quality:** MVVM, SOLID Principles, Clean Code
- **Tools:** Git/GitHub, Logger, Agile Methodology
- **Advanced Features:** Offline-First Support, Real-Time Comments, Multilingual Support

Soft Skills / Abilities

- Problem Solving & Analytical Thinking
- Fast Learner & Adaptable to new technologies
- Team Collaboration & Communication
- Working under Pressure & Time Management
- Tech Enthusiast & Continuous Learning