Sana Al-Tarabishi

Flutter Developer

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SUMMARY

Flutter developer with 3 years of experience building mobile applications with clean, maintainable Dart code, with a strong interest in smooth animations and deep Flutter concepts. Experienced in an Agile startup environment and passionate about the intersection of mobile development, embedded systems, and edge AI. Head of the Technology Department at IHH Syria Youth Organization; also design and 3D print parts in SolidWorks.

TECHNICAL SKILLS

Mobile: Flutter, Dart, Clean Architecture, State Management, Custom Animations, Advanced UI

Backend & Data: Firebase, Supabase, REST APIs, MySQL, MongoDB, ERD Design

Embedded & AI: ESP32, Raspberry Pi 4, Computer Vision, Neural Networks, OCR, TinyML (Edge Impulse)

3D & Hardware: SolidWorks (3D CAD), 3D Printing

Tools & DevOps: Git (GitHub, GitLab), Linux, SSH, Agile / Scrum

Programming: Dart (primary); Python, C++, Java (academic)

Soft Skills: Requirements Analysis, Team Collaboration, Touch Typing

EXPERIENCE

Head of Technology Department

Dec 2025 – Present

IHH Syria Youth Organization

- Lead the newly established technology department, defining its vision, activities, and roadmap.
- Joined as a volunteer supporting humanitarian youth programs and community initiatives across Syria; promoted to department head in Sep 2026.

Flutter Developer

2025 · ~6 months

Tech Sauce — Damascus

- Developed and maintained production Flutter app features in an Agile startup team.
- Integrated Firebase and Supabase for authentication, real-time data, and cloud storage.
- Applied clean architecture patterns; maintained readable, well-structured Dart code.

PROJECTS

Blind Sight — AI Assistive System

2025 / 2026

University of Damascus project

- Designed a fully headless system on Raspberry Pi 4 & ESP32, operated entirely via SSH (no keyboard or mouse).
- Implemented real-time face recognition using Computer Vision and Neural Networks to identify people.
- Integrated OCR to read and relay printed text to the user.
- Built a live video streaming pipeline for remote camera monitoring and system verification.
- Developed a companion Flutter app for managing and registering recognized faces from a mobile device.
- Live demo available on Instagram and Facebook pages.

Flutter Training Projects

Sep 2023 – Present

github.com/SanaAltarabishi

- Personal and collaborative projects covering animations, state management, REST API integration, and clean UI.
- Strong preference for Clean Architecture, consistently applied across all projects as a core practice.

TinyML On-Device AI Projects

2026

Al-Hamak Robotics & AI Club · Edge Impulse

- Built and deployed machine learning models directly on edge devices using the Edge Impulse platform.

3D Design Projects

2026

SolidWorks · Git repository

- Designed and 3D printed a desk organizer, from CAD modeling in SolidWorks to a physical final product.
- Organized each project in a dedicated Git branch for clean version control of design files.

EDUCATION

B.Sc. Computer Engineering & Automation

5th year (in progress)

University of Damascus — Damascus, Syria

- Key courses: Data Structures, Algorithms, OOP, Databases, Embedded Systems, Networks.
- Technologies: Linux, MySQL, MongoDB.
- Blind Sight — a full AI + IoT assistive system (see Projects above).

CERTIFICATIONS & COURSES

Prompt Engineering — FreeAcademy.ai	Oct 2026
Introduction to Internet of Things — Cisco Networking Academy	Sep 2026
Agile Explorer — IBM SkillsBuild	Aug 2026
Business Email — HP LIFE	Aug 2026
TinyML Training — Al-Hamak Robotics & AI Club	Mar 2026
Certificate of Participation — Future Technology, Damascus	May 2025
Flutter Development Course (×2, onsite) — Institute Alhadarah	2023 / 2024

LANGUAGES

Arabic — Native · English — Professional