Talal Rafiq
Mobile App Developer

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EDUCATION

Matric
Al-Sadiq Public Secondary School, Attock City
(2017 - 2019)

FCS Pre Engineering
Cadet College Attock
(2019 - 2021)

BS Software Engineering
SS-CASE-IT, Islamabad
7th Semester
(2021 - Ongoing)

SKILLS

- Flutter & Dart
- API Intergration & Firebase
- Flames
- Android SDK & Native Features
- Git & VS-Code
- AI Model Training
- Communication Skills
- Problem Solving

LANGUAGE

- English
- Urdu

PROFILE

Dedicated Flutter developer with a strong focus on Android app development. Gained hands-on experience during a **6-week internship at DevelopersHub.co** , where I contributed to client projects and collaborated in a team-based development environment. Following the internship, successfully transitioned into **independent development** , managing full-cycle Flutter projects from concept to deployment.

WORK EXPERIENCE

Windows LMS
Developed a Windows-based Flutter application, featuring a custom quiz generation model and integrated plagiarism detection. The system allows teachers to create and manage quizzes, while students can attempt them online with results tracked in real time. Built using **Flutter** , **Dart** , **SupaBase** and **Firebase** , the app supports seamless data synchronization, user authentication, and secure content delivery.

E-commerce Mobile App
Developed a Flutter-based Android application that allows users to upload and sell items such as clothes, jewelry, and more across multiple categories. The app enables product browsing, item listing, and order placement. Includes a fully functional **admin panel** for managing listings and real-time **order tracking** .

Skin Cancer Mobile App
Developed a Flutter-based Android application that uses a **trained AI model** to help users detect potential skin cancer by analyzing uploaded images. The app provides preliminary results and allows users to **connect with available doctors** for consultation via an in-app chat feature. Includes an **admin panel** for managing doctor profiles and viewing user information.

StegoCrypt Mobile App
Developed a Flutter-based steganography app for secure data concealment, featuring a cyberpunk neon-glitch UI. Implemented AES-GCM encryption, PBKDF2 key derivation, and LSB steganography to embed/decrypt messages in images. Included three modes, a dynamic splash screen, and a copyable ciphertext feature.

CURRENT PROJECT

Blocky Hero Saga

Currently developing a 2D arcade-style game using **Flutter** with the **Flame** game engine and **Tiled** for level design. The game is inspired by Snow Bros , featuring player controls, enemy interactions, scoring mechanics, and custom-built levels.