

HAYAT ISHFAQ

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SUMMARY

Software Engineering undergraduate at Air University with hands-on experience in Flutter and Dart mobile application development. Experienced in building cross-platform applications using Firebase Authentication, cloud databases, CRUD operations, and responsive UI. Completed an App Development Internship involving quiz, task management, notes, and chat applications. Passionate about clean code, reusable components, problem-solving, and building practical mobile solutions.

EDUCATION

Bachelor in Software Engineering — **Air University Islamabad | 2023 - 2027**

- Programming Fundamentals, OOP, Software Engineering, SDLC, Data Structures and Algorithms, Database Systems, Computer Networks, Intro to AI with Python (Numpy, Pandas, MatplotLib, SciPy, Seaborn), Ai Agents

TECHNICAL SKILLS

Programming Languages:	Dart, Python, C++
Backend & Database:	Firebase Authentication, Firebase Realtime Database, Cloud Firestore, REST APIs
Tools:	VS code, Android Studio, Git & Github, Colab, Canva,Figma, MS Office
Framework/Libraries	Flutter
Others:	Automation, Data Entry, Data Analytics

WORK EXPERIENCE

Tech Instructor (Online) — **IHS — Innovator Huzsam (Remote) | March 2026 – September 2026**

- Delivered online instruction in Graphic Design, Meta Ads Marketing, and Data Analytics.
- Prepared learning materials and conducted practical training sessions.
- Guided students through hands-on exercises and industry-relevant workflows.

App Development Intern — **Digital Empowerment Network (Remote) | Jul 2025 - Sep 2025**

- Developed multiple apps (Quiz, Task Manager, Notes with Auth, Ads-Integrated Notes, Chat Application).
- Gained practical exposure in UI/UX design, authentication, cloud databases, and app monetization.

Freelance Graphic Designer & Video Editor — **Jan 2021 - Jan 2023**

- Design 100+ Thumbnails and posts for a YouTube Channel using Canva.
- Edited 50+ videos for clients using Adobe Premier Pro and Capcut.

PROJECTS

CoSpend — Co-Living Expense & Budget Manager

Flutter · Dart · Riverpod · Cloud Firestore · Firebase Auth · GoRouter · fl_chart

- Engineered a cross-platform co-living expense application enabling roommates to track shared costs, manage category budgets, and settle balances in real time.
- Designed a custom debt-minimization algorithm (SettlementEngine) that resolves multi-user shared debts into the fewest possible peer-to-peer transactions.
- Architected real-time state management using Riverpod & Firestore streams, ensuring instant UI synchronization across multiple devices with offline persistence.

ClientTrack — Freelancer Business & Payment Chaser App — *Status: In Active Development*

Flutter · Dart · Firebase (Auth & Firestore) · RevenueCat · Local Notifications

- Cross-Platform Freelance Hub: Architected a full-featured Flutter app for freelancers to manage clients, project deadlines, and line-item invoicing with real-time Firebase sync.
- "Payment Chaser" Engine: Built an overdue tracking workflow with dynamic reminder templates and native one-tap dispatch via WhatsApp, SMS, and Email to accelerate payment collection.
- On-Device PDF Generation: Implemented a client-side invoice generation engine using Flutter's PDF pipeline, enabling instant rendering, previewing, and native sharing.
- Monetization & In-App Purchases: Integrated RevenueCat SDK to handle tiered subscriptions (ClientTrack Pro), entitlement checking, and paywall purchase flows.
- Background Deadline Alerts: Engineered scheduled local notifications to proactively warn users about upcoming project deadlines and overdue accounts receivable.