

Tasaddaq Hussain

Flutter Developer & AI App Engineer

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PROFESSIONAL SUMMARY

Software engineer and applied AI practitioner with a Master's in Artificial Intelligence and 5+ years building production cross-platform mobile applications across both full-time and freelance roles. I've delivered 30+ projects and shipped 6+ apps live to the App Store & Google Play — including independently built AI products powered by LLMs & Supabase — and hold Top Rated status on Upwork with a 100% Job Success Score and consistent 5-star reviews. My Master's thesis developed a lightweight CNN-Transformer model for early detection of silent myocardial infarctions from ECG signals (AUROC 0.9871), which I am currently preparing for journal publication. Alongside my engineering work, I continue to deepen my core AI/ML expertise — bridging hands-on software development with applied deep-learning research.

TECHNICAL SKILLS

Mobile	Flutter, Dart, iOS, Android, Web, Windows & macOS desktop, Next.js · Clean Architecture, MVVM, BLoC, Riverpod, Provider, SOLID principles
Backend & Cloud	Firebase, Supabase (PostgreSQL), Node.js, FastAPI, REST & GraphQL APIs, Authentication & real-time data
AI / Machine Learning	LLM integration, RAG, prompt engineering, AI agents · PyTorch, TensorFlow, Transformers & CNNs, deep learning, model interpretability (Grad-CAM)
Practices & Tools	Agile, Git & GitHub, CI/CD (GitHub Actions, Codemagic, Fastlane), Android Studio, Xcode, VS Code, Google Antigravity, Postman, Figma, App Store & Google Play deployment

PROFESSIONAL EXPERIENCE

Lead Flutter Developer — Walnut · Freelance

Jul 2024 — Present

London Area, United Kingdom · Remote

- Long-term build partner for a London-based startup (**2+ years**), leading development of a cross-platform Flutter app and supporting web applications.
- Led the public launch on the App Store & Google Play and continue to ship new features, maintenance, and improvements.
- Work directly with the founder to translate product vision into a polished, emotionally-intelligent user experience.

Flutter MVP & AI App Developer — Upwork (Top Rated) · Freelance

Jan 2024 — Present

Remote · Clients across the UK, US & UAE

- Delivered **30+ end-to-end projects** for founders and shipped **6+ apps live** to the App Store & Google Play — maintaining a **100% Job Success Score** with all 5-star reviews.
- Built a broad range of products: full MVPs, role-based platforms on Laravel APIs, an OTT learning ecosystem with admin panel, plus podcast, quiz, and learning apps across iOS, Android & web.
- Engineered real LLM-powered features on production Firebase / Supabase / Node backends with clean Riverpod architecture, and rescued live apps — restoring broken authentication and re-engineering legacy code with zero downtime.

Senior Flutter Software Engineer — Nextwys · Full-time

Jul 2024 — Oct 2024

Bahawalpur, Pakistan · On-site

- Led Flutter development for client mobile apps, providing technical direction and mentoring team members.
- Delivered production-ready cross-platform features across iOS & Android.

Mobile Application Developer — AlphaRages · Full-time

Apr 2023 — Mar 2024

Lahore, Pakistan · On-site

- Built and maintained cross-platform Flutter apps, owning features from design through store release.
- Partnered with clients and internal teams to translate requirements into shipped iOS & Android functionality.

Hybrid Mobile App Developer — Oneisok Information (OPC) Pvt. Ltd · Part-time

Jun 2022 — Jun 2023

Remote

- Began my professional career building hybrid cross-platform iOS & Android apps with Flutter and Firebase.
- Worked across programming, back-end computing, and cross-platform concepts within an Agile team, with exposure to application security.

SELECTED PROJECTS

Tertio — AI Wellness Coach (Flutter · Supabase · LLM)

2025

- Designed, built & launched a live AI wellness coach on Google Play with real conversation memory on a production Supabase backend. *Founder & solo developer.*

Dreambrush AI — Text-to-Image App (Flutter · LLM)

2024

- Built a generative-imagery app turning text prompts into high-quality visuals on iOS & Android. *Founder & solo developer.*

Walnut — Mindful Dating App (Flutter · Firebase)

2024

- A mindful, emotionally-intelligent dating product designed for intentional connection over swipe volume — live on iOS & Android.

Bhagavad Gita — Production Auth Rescue (Flutter · Supabase · Google Cloud)

2024

- Diagnosed and fixed Google sign-in for **50,000+ locked-out users** on a live app, restoring access with zero downtime.

Salon & OTT Learning Platforms (Flutter · Laravel · Admin Dashboard)

2025

- Merged two salon apps into a single role-based platform on a Laravel API, and delivered a full OTT learning ecosystem with a comprehensive admin panel and cross-platform mobile app.

EDUCATION

M.S. in Artificial Intelligence

Sep 2023 — Feb 2026

The Islamia University of Bahawalpur, Pakistan

Thesis: “Early Detection of Silent Myocardial Infarctions Using Transformer-Based Models on ECG Signals” — built a lightweight **CNN-Transformer hybrid (682K parameters, 13× smaller than a ResNet baseline)** to detect silent / old myocardial infarctions from 12-lead ECG signals, achieving **AUROC 0.9871** (88% sensitivity, 97.5% specificity) on PhysioNet PTB-XL, with Grad-CAM interpretability confirming alignment with cardiac anatomy.

B.S. in Computer Software Engineering

2019 — 2023

Riphah International University, Pakistan

CERTIFICATIONS & CREDENTIALS

- **Hybrid Mobile App Development** — OneisOK Information (OPC) Pvt. Ltd · 2023
- **Experience Certificate** — Oneisok Information (OPC) Pvt. Ltd · 2023 (verified 1-year tenure as Hybrid Mobile App Developer)
- **Cisco Certified Entry Networking Technician (CCENT)** — Cisco

PROFESSIONAL STRENGTHS

Collaborative | Committed to Quality | Clear Communicator | Accountable for Outcomes | Reliable | Solution-Oriented

Strengths consistently highlighted across Upwork client reviews.

LANGUAGES

English — Fluent | Urdu — Native | German — Conversational | Hindi — Conversational