

Muhammad Usman Ghani

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Flutter developer and Software Engineering student at FAST-NUCES shipping cross platform iOS and Android apps with Firebase, Riverpod, local storage, and REST API integration.

EDUCATION

BS Software Engineering, FAST-NUCES

2024 – Present

Relevant coursework: Object-Oriented Programming, Data Structures and Algorithms, Database Systems, Operating Systems, Software Design and Architecture

Flutter and Dart: The Complete Guide, Udemy, Certificate UC-6e002329

SKILLS

Mobile: Flutter, Dart, Riverpod, Provider, Cross-Platform Development, Widget Composition, Material Design, Responsive UI, Animations, Platform Channels, iOS Live Activities, Android Foreground Services, Hive, Drift, flutter_local_notifications

Backend and Cloud: Firebase Authentication, Firestore, Firebase Realtime Database, Firestore Security Rules, REST APIs, HTTP, JSON, async/await, Cloudflare Workers, Google Cloud Run

AI: LLM Integration, OpenRouter, Gemini 2.5 Flash, Prompt Engineering, Voice-to-AI Pipelines, Claude Code

Architecture: Object-Oriented Programming (OOP), GoF Design Patterns, Clean Architecture, MVC, MVP

Tools: Git, GitHub, Android Studio, VS Code, Firebase Console, Cloudflare, Trello

PROJECTS

Whispr, AI reminder app

github.com/gunee-exe/whispr

Flutter, Dart, Riverpod, Hive, Cloudflare Workers, OpenRouter

- Built an offline first iOS and Android reminder app on Hive local storage, routing text and voice through an LLM via a stateless Cloudflare Worker with English, Roman Urdu, and code switched input
- Delivered persistent live countdown notifications on both platforms through platform channels, using Live Activities on iOS and foreground services on Android

Calori, offline nutrition tracker

github.com/gunee-exe/Calori

Flutter, Dart, Riverpod, Drift (SQLite), Cloudflare Workers, Gemini 2.5 Flash

- Built an Android tracker needing no account or network by merging 8 public food composition databases into one SQLite store of 21,791 foods with an FTS5 index matching regional food names to English
- Implemented photo based meal estimation via a self hosted Cloudflare Worker calling Gemini 2.5 Flash, returning editable macros in a confidence aware review UI

Textify, real-time messenger

github.com/gunee-exe/text_chat_app

Flutter, Dart, Riverpod, Firebase Authentication, Firestore

- Shipped a messenger with @username discovery, group chats, swipe to reply, emoji reactions, typing indicators, and light/dark theming by wiring live Firestore streams behind server side security rules
- Enabled onboarding across email and Google Sign-In with verification by integrating Firebase Authentication into a repository pattern, feature first architecture on Riverpod

DriftSense, AI commitment tracker

github.com/Gojiro-34/DriftSense

Express, Gemini 2.0 Flash, Firebase, Google Cloud Run

- Built a hackathon tool in 24 hours that extracts deadlines from team messages and sends personalised daily briefings, wiring Gemini 2.0 Flash behind a REST API on Google Cloud Run

LEADERSHIP & EXPERIENCE

Co-Founder and Marketing Lead, Shrumble Cookies

2025

- Drove 50,000+ Instagram account reach and PKR 65,000 in sales for an on campus business by owning end to end marketing across reels, posters, and on ground campaigns

Teaching Assistant, Programming Fundamentals Lab, FAST-NUCES

2024

- Led weekly Programming Fundamentals lab instruction for first year students under Prof. Saqib Ameer by evaluating coursework and delivering real time debugging guidance