

Aditya Nudurumati

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Summary

Flutter Developer with **3 years of experience** building scalable **Mobile, Web, and TV applications** for real-time **IoT monitoring and aquaculture management**. Experienced in **Riverpod, Firebase, REST APIs, and performance optimization**, delivering production-grade solutions used by **15K+ farmers across 4 states**.

Technical Skills

Languages: Dart, JavaScript, SQL

Frameworks & Tools: Flutter, Riverpod, GetX, Firebase, Elasticsearch, Node.js, GitHub Actions, Dio, Hive

API & Integrations: REST APIs, Google Maps API, Razorpay, Push Notifications, Deep Linking

Concepts: Clean Architecture, MVC, State Management, Responsive UI, CI/CD pipelines, agile/scrum

Tools: Git, Postman, Android Studio, VS Code, Google Play Store & App Store Deployment

Experience

Software Engineer — AquaExchange Agri Tech Pvt Ltd — Hyderabad

Nov 2023 – Present

Software Engineer Intern

July 2023 – Nov 2023

- Built and shipped scalable **Flutter applications across Mobile, Web, and TV platforms** for real-time monitoring of **10,000+ IoT devices**, serving **15,000+ farmers across 4 states** with sub-second live dashboard updates.
- Integrated **Google Maps, Razorpay, push notifications, and deep linking** into production applications, enabling seamless digital transactions and field navigation workflows used by **15,000+ farmers across 4 states**.
- Migrated real-time IoT data handling to **Riverpod-based state management**, reducing UI render latency by **40%** and decreasing state-related issues by **45%**, improving application stability across **10,000+ connected devices**.
- Designed and implemented **multi-role authentication and role-based access control (RBAC)** across mobile and web platforms, supporting **3+ user roles** including operations, finance, and call center teams with zero reported access control incidents post-launch.
- Implemented **offline-first data persistence** using **Hive and SharedPreferences**, ensuring uninterrupted app functionality and user session continuity in low-connectivity farm environments.
- Guided a junior developer on **Flutter clean architecture and state management patterns**, accelerating their onboarding and contributing to faster feature delivery.
- *As intern:* Delivered **pixel-perfect responsive UI screens** across mobile and web from Figma designs, resolved **live production bugs**, and shipped enhancements — contributing across both platforms within the first week of joining.

Projects

AXM Mobile Application

Play Store

- Developed a production-grade **Flutter mobile application** used by **15K+ farmers across 4 states** for monitoring and managing IoT devices with **real-time Firebase Firestore data** and **Google Maps** integration.
- Developed an in-app **store module** for purchasing IoT devices, feed, and farm products with secure payments using **Razorpay**, along with **push notifications and deep linking**.

Service Management Dashboard

Web Portal

- Developed a production-grade **Flutter Web dashboard** used by operations, call center, and finance teams to monitor farm activity, IoT devices, and platform metrics in real time.
- Built modules including **device monitoring, feeder order management, service ticket tracking, subscription management, and farm management**, integrating **REST APIs, Firebase, role-based access control, and Excel export reporting**.

Education

Rajiv Gandhi University of Knowledge Technologies, Srikakulam (IIIT-AP)

B.Tech in Electronics and Communication Engineering

2018 – 2022

CGPA: 8.45