

# Udgam: A Community-Driven Organic Marketplace

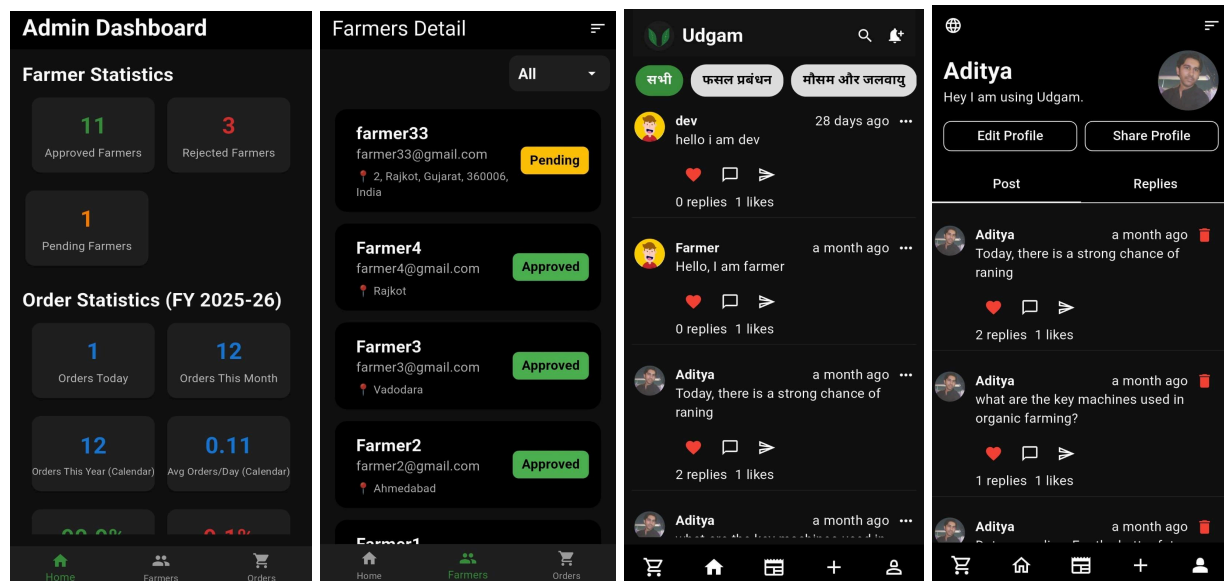
Aditya Dave(AU2140100), BTech. <CSE>

Ahmedabad University

Mentor: Professor Sanjay Chaudhary

Food is something that impacts the human body the most. Today, in the era of fast food, we are surrounded by products grown with the excess use of pesticides and fertilisers. These are slow poisons; it does not impact us immediately, but they have a big impact in the long run. Due to a lack of awareness and availability, people have to consume the products available in the market. To solve this problem, we are introducing our app “Udgam”, the Start of a new-edge healthy India.

Udgam is built on cutting-edge technologies such as Flutter, Postgresql, Supabase, Python, and Machine Learning. Udgam has three main features. Community, where users can post text, images or videos related to organic farming. The aim behind this feature was to create a community of people who are interested in organic farming so that they can share their knowledge and grow together. The news page is designed to provide the latest updates around the domain. In the news card user can translate news into Hindi in one click and listen to the same in one click. Marketplace is the feature that will help connect buyers and sellers. Here farmer will list the product and sell it to the consumer.



With the above features, we have an ML-supported recommendation system for a better personalised experience. For farmers, we are performing seasonal and time-series analysis and gathering insight for them so that they can plan for next season in advance. Our project is the start towards organic India. We can include a weekly subscription model, an AI-powered voice assistant in the marketplace for better recommendations in our next version.