SUPPLIFY

Smart Supply Chain Assistant for Micro and Small Vendors

The Problem

Across India, a large number of small vendors and micro-enterprises still rely on manual methods to manage their supply chains. Most of them maintain stock records either on paper or through rough estimates, leading to unstructured and inaccurate tracking. Without proper inventory systems in place, restocking decisions are made through guesswork rather than data-driven insights.

Additionally, these businesses often remain unaware of alternative suppliers who may offer better pricing or faster delivery. This lack of supply chain visibility frequently results in stock-outs, excess inventory, or missed sales—ultimately affecting their profit margins.

There is a clear need for a simple yet intelligent solution that can assist such vendors in managing their inventory, planning restocks, and making supplier decisions — all while being accessible offline and in their regional languages.

Our Solution - Supplify

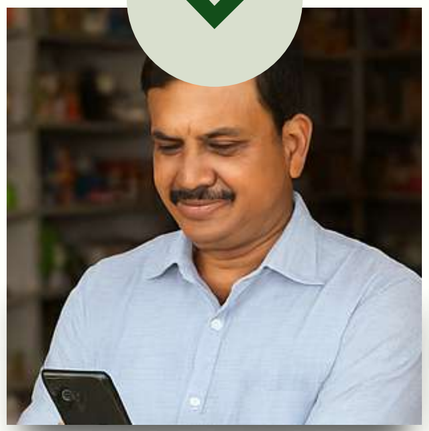
Supplify is a smart mobile assistant built to help small vendors and micro businesses manage their inventory and restocking with ease. It allows users to enter their daily stock using voice or manual input and supports regional languages for accessibility. Using AI, the app predicts when items are running low and sends timely alerts to avoid stock-outs or overbuying.

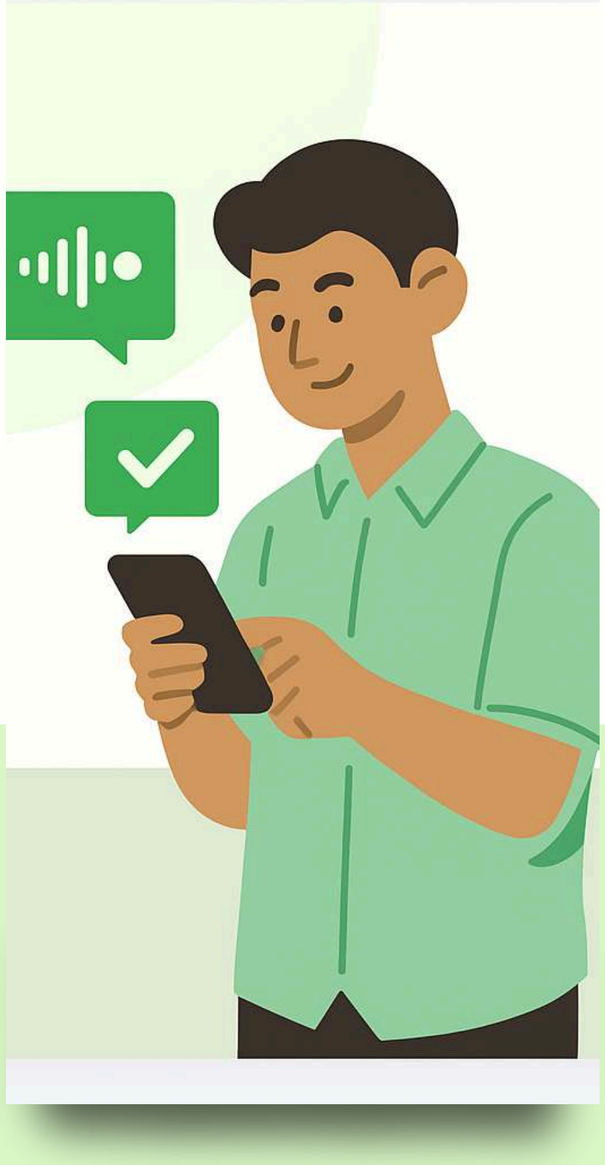
Supplify also helps users discover better supplier options by comparing prices and delivery times, making it easier to reorder with just one tap. The app works offline, making it reliable for users in areas with limited internet. Designed for kirana stores, farmers, and street vendors, Supplify brings modern supply chain management tools to the grassroots level—without any complexity.

Target Users

- 🛒 Kirana store owners
- 🌾 Agro/fertilizer dealers in rural areas
- 🥦 Fruits & vegetable street vendors
- 🧺 Small grocery & FMCG shopkeepers
- 🚚 Local micro-wholesalers

Supplify is designed to support businesses with limited access to digital supply tools. With voice-based input and support for all Indian languages, it's easy to use—even for first-time smartphone users. The app works fully offline, making it ideal for remote or low-connectivity regions. Supplify brings modern supply planning to India’s most essential vendors.





Core Features

Supplify offers a simple yet powerful set of features tailored for small business owners. With voice-based entry, vendors can quickly log inventory by simply speaking, making it easy for users with limited typing skills. The app uses AI to send smart restock alerts when items are running low, helping avoid stock-outs. It also compares supplier options based on price and delivery time, enabling better purchase decisions. Vendors can view daily and weekly sales reports to track performance and trends. Best of all, Supplify works fully offline, ensuring uninterrupted access even without internet connectivity.

Tech Stack

Frontend	-React Native (for Android & iOS support)
Backend	-Firebase + SQLite (for sync and offline data handling)
AI Module	-Python-based ML model for stock prediction
Voice Input	-Google STT & Whisper API (for accurate voice recognition)
Languages	-i18n framework for multi-language support (Indian languages + English)

Impacts of Supplify

Supplify reduces financial losses by helping vendors avoid both overstock and shortages. It introduces easy-to-use AI tools to small business owners, even those with little or no tech background. By offering direct supplier comparisons, it cuts down dependency on middlemen. The app also contributes to the goals of Digital India and is designed to scale across millions of micro and small enterprises across the country.

Future Scope

Supplify has strong potential for expansion with several upcoming features. A UPI-based sales logging system can be added to simplify daily transaction tracking. An AI chatbot can assist vendors by answering supply-related queries in real-time. Integration with government platforms like e-Mandi or ONDC will offer access to wider markets and verified suppliers. For vendors without smartphones, a simple SMS or missed-call system can enable basic inventory actions. Additionally, partnering with hyperlocal delivery services can streamline logistics and ensure faster restocking.

- 🔗 UPI-based sales logging
- 🤖 AI chatbot for vendor support
- 🛒 Link to e-Mandi / ONDC APIs
- 📱 SMS & missed call access
- 🚚 Hyperlocal delivery tie-ups

Conclusion

Supplify aims to revolutionize how small vendors manage their inventory and supply chains—using the power of AI, voice input, and offline-friendly tech. It empowers even the smallest businesses to make smarter, data-driven decisions with minimal effort. With nationwide scalability, multilingual access, and strong alignment with MSME 5.0 and Digital India goals, Supplify is ready to create real impact at the grassroots level.

THANK YOU!

Let’s empower small businesses with smart tools to build a stronger, self-reliant India.

Supplify