# WhatsApp-Based Subscription Automation System

Replacing WhatsApp + Excel manual ops with a fully automated delivery platform

Food Delivery | WhatsApp Bot | Automation | AI-Powered

by Pranetra

# ⚠ The Challenge

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### 💬 Manual WhatsApp Coordination

Order taking, menu sharing & confirmations done manually via chat

### 📊 Excel-Based Tracking

Subscriptions and deliveries tracked in error-prone spreadsheets

### 📦 No Container Visibility

Reusable container issuance and returns were untracked

### 📉 Can't Scale Operations

Manual workload increased proportionally with every new customer

# How We Solved It

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| | |
|---|---|
| 01 | **AI WhatsApp Bot**<br>Customers subscribe, order, confirm deliveries via conversational bot |
| 02 | **FastAPI Backend**<br>Handles all business logic, subscription lifecycle & delivery planning |
| 03 | **Admin Dashboard**<br>Real-time portal for monitoring orders, routes & container returns |
| 04 | **LangChain + OpenAI**<br>Intelligent conversational logic for flexible customer interactions |
| 05 | **Automated Workflows**<br>Reminders, order cutoffs & delivery partner notifications hands-free |

# 🚀 Impact & Transformation

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**Manual Order Processing**

Fully automated from subscription to delivery confirmation

**↓ 95%**

**Operational Errors**

Structured workflows eliminated manual data entry mistakes

**100%**

**Real-Time Visibility**

Live tracking of orders, deliveries & container returns

**∞**

**Scale Without Cost**

Handle more customers without growing the ops team

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# Thank You!



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