

Haulsey

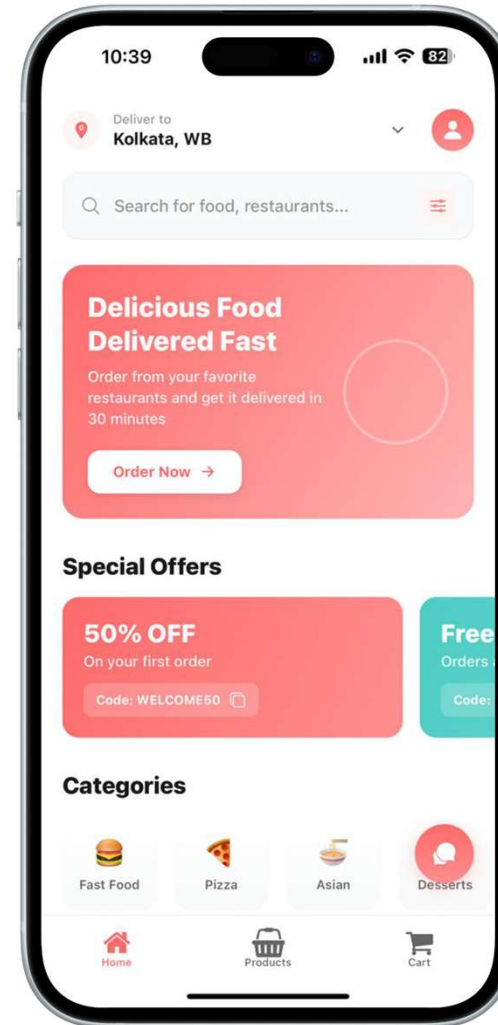
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Introduction

This project enhances e-commerce apps by integrating Agentic AI using **Groq API** and **LLaMA-4** models, enabling intelligent, real-time user interaction.

It improves product discovery, support, and personalization, creating a **faster**, **smarter**, and more **user-friendly** shopping experience compared to traditional apps.



TECHNOLOGIES USED

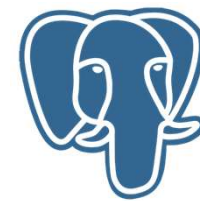
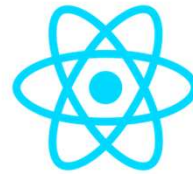
FRONTEND - Expo React Native, Zustand, Foursquare API, Moti

BACKEND - Node.js + Express, Flask(Python)

DATABASE - PostgreSQL

AI Integration - Groq API, LLaMA (llama-4-scout-17b-16e-instruct)

Deployment - Render(Frontend), Railway(Backend)



CURRENT CHALLENGES FACED

NO CONTEXTUAL CHATBOTS

Chatbots can't remember or adapt to conversation context.

POOR RECOMMENDATIONS

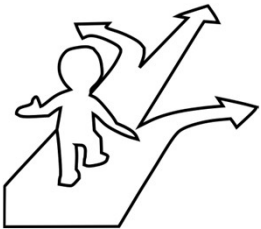
Suggestions are irrelevant or unhelpful.

LIMITED NATURAL QUERIES

No instant, smart help is available when needed.

NO REAL-TIME INTELLIGENT SUPPORT

No instant, smart help is available when needed.



PROPOSED SOLUTION

Groq AI Agent

Integrate Groq's fast AI for enhanced conversational performance

Smart recommendations

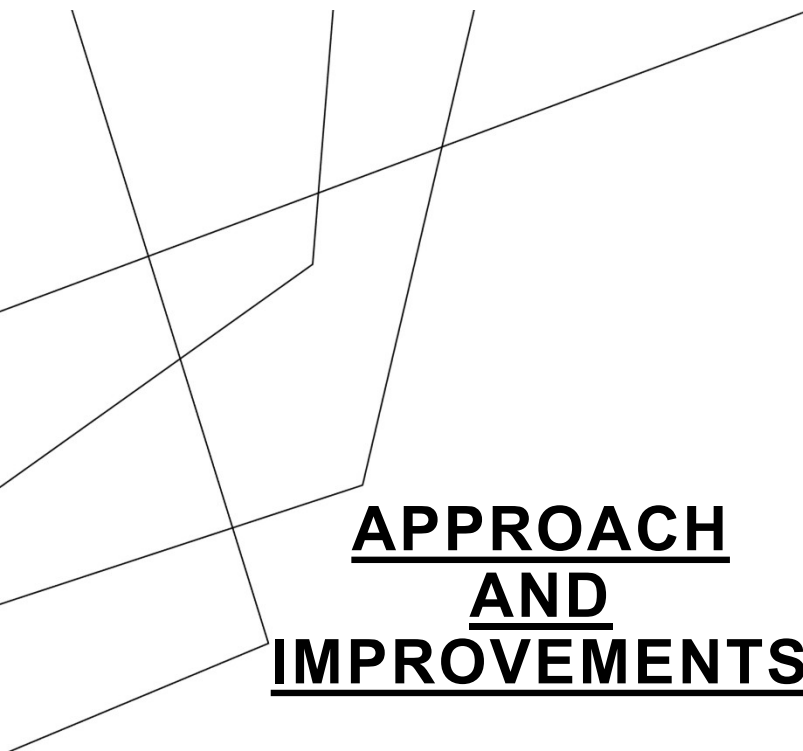
Provide personalized, context-aware suggestions

LLaMA model for better NLP

Use LLaMA for more accurate and natural language understanding.

AI-based FAQs

Deliver dynamic, adaptive answers powered by AI.

Abstract geometric lines in the top-left corner of the slide, consisting of several thin, dark gray lines that intersect to form a series of triangles and quadrilaterals.

APPROACH **AND** **IMPROVEMENTS**

Frontend to Groq API flow

Connect the user interface seamlessly with the Groq API.

Custom Training

Tailor AI models to specific business data and needs.

Real-time Groq inference

Get instant AI responses using Groq's high-speed processing.

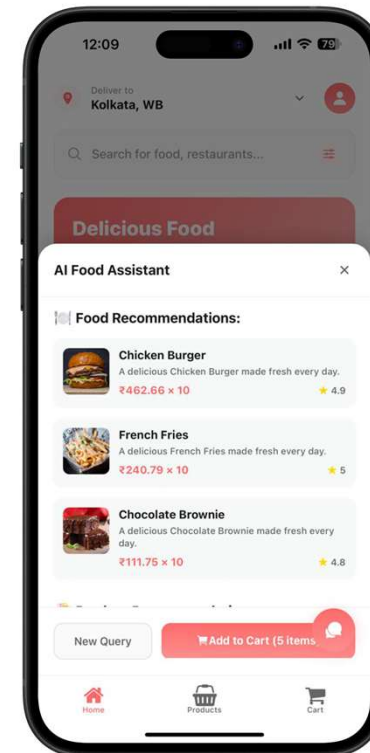
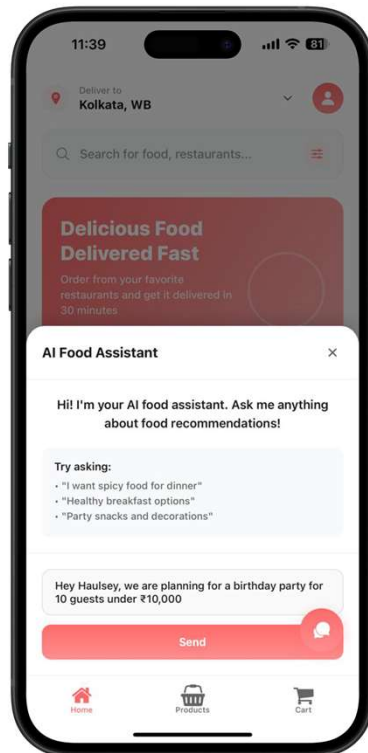
Token-based security

Secure API access with authentication tokens.

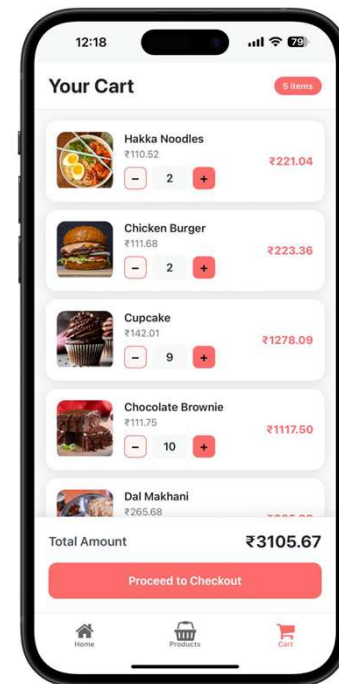
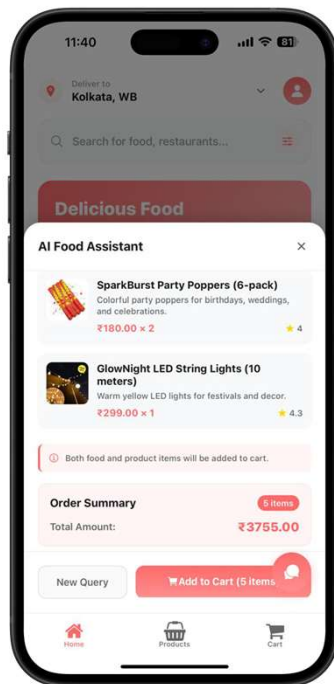
Flask and Node.js microservices

Build scalable backend services with Flask and Node.js

DEMO



DEMO



CONCLUSION

We've harnessed the power of **Groq AI** for real-time speed, integrated the **LLaMA language model** for deeper intent understanding, and built a system that responds to users naturally — just like a personal assistant would.

What sets our app apart is its ability to **listen, understand, and act** based on real human needs — whether that's planning a party within budget, finding last-minute items, or getting quick answers to common questions. For users, this means less stress and more satisfaction. For businesses, it means higher engagement, smarter product delivery, and a modern AI-powered edge.

Throughout this project, we've not only built a fully functional prototype, but also proven that **agentic AI can solve real-world e-commerce challenges** — with speed, precision, and personalization. And this is just the beginning. With further training, user feedback, and scaling, our solution has the potential to grow into a **full-fledged AI commerce assistant** — expanding across industries and use cases.





- TEAM INFINITE LOOPERS