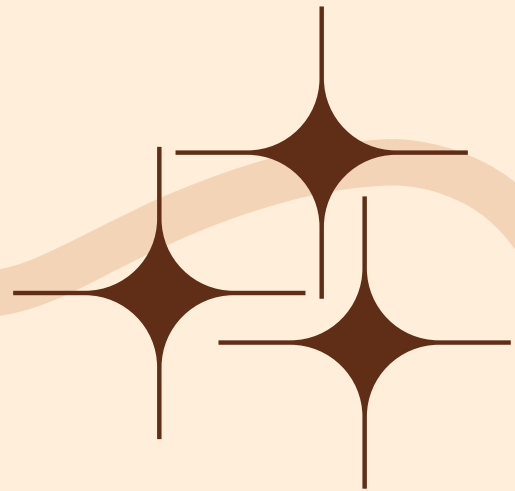


SMART PANTRY

Presented by: Dev & Group



GROUP MEMBER



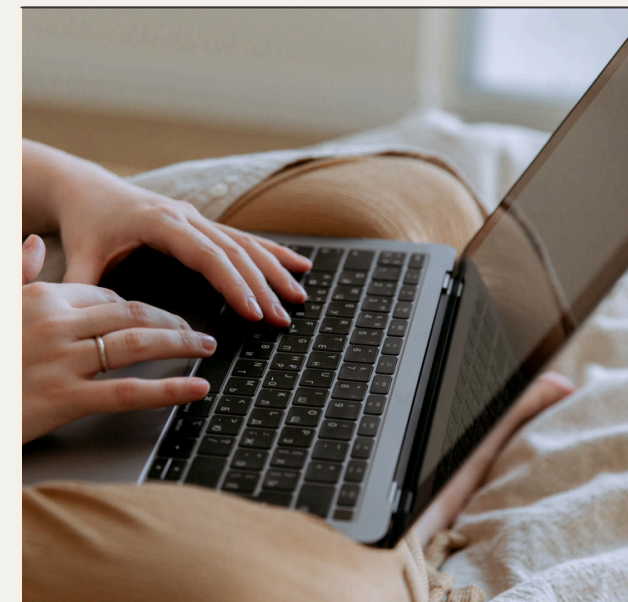
Dev Trivedi



Pratham Chauhan



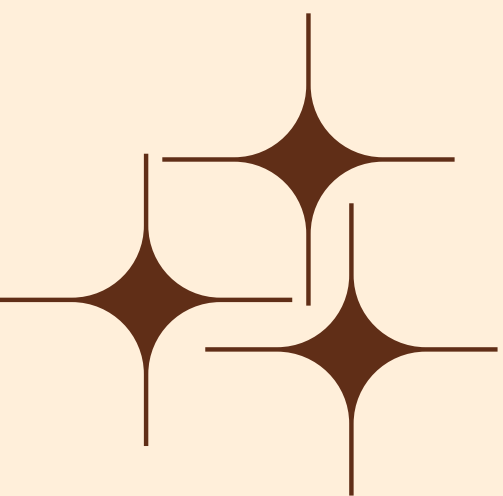
Bansari Patel




Honey Patel

INTRODUCTION

At SmartChef, we harness the power of AI to revolutionize grocery shopping, making it smarter, more efficient, and sustainable. Our intelligent system optimizes inventory management, ensuring you buy only what you need—reducing waste while saving time and money. With personalized recommendations based on your preferences and purchase history, SmartChef helps you make mindful choices that align with your budget and sustainability goals. Whether you're planning meals, tracking expiration dates, or streamlining store operations, our technology empowers you to shop smarter, store better, and waste less. Join us in creating a future where every ingredient counts, and sustainability is effortless.





PROJECT GOALS

- Implement intelligent tracking of expiration dates to encourage timely consumption.
- Reduce unnecessary purchases by aligning buying patterns with actual consumption habits.
- Provide tailored grocery recommendations based on user preferences, dietary needs, and purchase history.
- You can offer meal-planning suggestions to simplify cooking decisions while reducing waste.

PROCESS

- Gather user preferences, purchase history, and consumption patterns.
- Integrate data from grocery stores, smart kitchen devices, and manual inputs
- Use machine learning algorithms to analyze shopping habits and predict needs.
- Optimize inventory tracking by monitoring expiration dates and suggesting timely usage.
- Provide tailored grocery lists based on past purchases, dietary needs, and budget.
- Suggest recipes utilizing available ingredients to minimize waste.

TRACKS

- **Social Good** – SmartChef reduces food waste, promotes sustainable grocery shopping, and helps individuals and businesses minimize environmental impact. By encouraging mindful consumption, it benefits both communities and the planet.
- **Education** – SmartChef educates users on better shopping habits, meal planning, and sustainability. It provides data-driven insights to help people make informed purchasing decisions and reduce unnecessary waste.
- **Maverick** – SmartChef innovates in grocery management by integrating AI, barcode scanning, and image recognition to revolutionize shopping experiences. The project introduces creative solutions like recipe generation and expiration tracking, making it a unique and groundbreaking hack.


RESULT

- **Users will consume groceries more efficiently, minimizing expired and unused items.**
- **AI-driven recommendations will help users buy only what they need, reducing unnecessary spending.**
- **Smart alerts for expiration dates and optimized grocery lists will simplify decision-making.**

CONCLUSION

SmartPantry revolutionizes food inventory management with AI-driven features like barcode scanning, image recognition, and expiration tracking. By optimizing food usage and minimizing waste, it empowers households and businesses to make smarter purchasing decisions. With automated recipe generation and an interactive chatbot, users can effortlessly track their inventory, reduce waste, and promote sustainable consumption.

SmartPantry not only enhances efficiency but also fosters a more responsible and eco-friendly future.



SHOP SMART

WASTE LESS

THRIVE MORE

