🥕 Smart Grocery List & Recipe Generator 🛒

WebAI Hackathon 2025

Team: Hunters

🥦 Problem Statement

- Meal planning takes time & effort ⏳
- People forget ingredients while shopping 🛒
- Food waste happens due to poor planning ♻️

🍅 Proposed Solution

- AI-powered web app for meal planning 🤖
- User enters available ingredients 🥕
- AI suggests recipes & generates missing shopping list 📋
- Saves time + reduces food waste ✅

🌽 Key Features

- 🥕 Ingredient Input System
- 🍲 AI Recipe Recommendations
- 🛒 Auto-Generated Grocery List
- 📊 (Optional) Nutritional / Cost Info

📊 Workflow / Architecture

- Ingredients → AI Recipe Engine → Recipe Suggestions → Grocery List Generated

⚙️ Tech Stack

- Frontend: HTML, CSS, JavaScript / React ⚛️
- Backend: Node.js / Python 🐍
- AI/ML: Recipe Dataset / API Integration 🤖
- Database: Firebase / MongoDB 🗄️

🖼️ **Screenshots / Demo**

- Home Page (ingredient input)

🥗 **SmartMeal AI**   🌙 Dark Mode

Enter Ingredients You Have

e.g. tomato, onion, rice, chicken

Generate Recipes & Shopping List

- Recipe Suggestions

Palak Gosht

Used Ingredients: 4

Missing Ingredients: 6

Easy Homemade Rice and Beans

Shopping List

- ☐ Green chillies chopped 6 nos
- ☐ Fresh coriander leaves, chopped medium bunch
- ☐ Garlic chopped 1 medium pod
- ☐ Ginger crushed long 2 inch piece
- ☐ 4Then add water i(1-2cup) and cook on medium flame till meat is tender.
- ☐ 6Delicious Palak gosht is ready
- ☐ 1 15-ounce can black beans, not drained
- ☐ 2 tsp chili powder
- ☐ 1/2 tsp cumin
- ☐ optional: 4-5 dashes of hot sauce
- ☐ 4 bell peppers
- ☐ 1/2 pound ground turkey
- ☐ 1/2 teaspoon ▪ basil
- ☐ 1/2 teaspoon ▪ cayenne pepper
- ☐ 1/2 teaspoon allspice
- ☐ 2 pounds (- 1kg) Bell peppers
- ☐ 1/4 teaspoon cinnamon
- ☐ 1 tablespoon dried/fresh mint
- ☐ 1 teaspoon tomato paste
- ☐ 1 teaspoon chopped garlic
- ☐ 1 ounce lemon juice

- Grocery List

🚀 Future Scope

- 🎙️ Voice-based ingredient input
- 🥗 Personalized diet plans (calories, allergies)
- 🏢 Integration with online grocery stores

🌱 Impact

- ✅ Saves time in shopping & cooking
- ✅ Reduces food waste
- ✅ Makes meal planning stress-free

🙏 **Conclusion / Thank You**

- Smart Grocery List & Recipe Generator makes grocery shopping smarter and easier with AI.

- Thank You for Reviewing! 🌟

- GitHub: https://github.com/Kirtihulmani/smartmeal-ai.git