

Smart Grocery List & Recipe Generator **5**

WebAl 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
- Al suggests recipes & generates missing shopping list
- Saves time + reduces food waste



- Ingredient Input System
- Al Recipe Recommendations
- Matter Auto-Generated Grocery List
- (Optional) Nutritional / Cost Info

Workflow / Architecture

 Ingredients → Al Recipe Engine → Recipe Suggestions → Grocery List Generated



Frontend: HTML, CSS, JavaScript / React 🕸



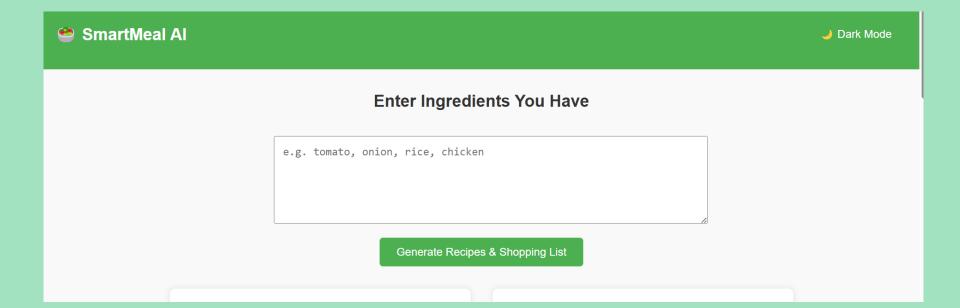
Backend: Node.js / Python 🔾

AI/ML: Recipe Dataset / API Integration

Database: Firebase / MongoDB



• Home Page (ingredient input)



Recipe Suggestions

• Recipe Suggestions

Palak Gosht



Used Ingredients: 4

Missing Ingredients: 6

Easy Homemade Rice and Beans



Grocery List

Shopping List

 Green chillies chopped 6 nos Tresh 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



- Personalized diet plans (calories, allergies)
- Integration with online grocery stores



- 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