

Recipe recommendation Agent

December 16, 2025

Madan KK, Kavin Raaj S, Jeeva P

I MCA 2025

Overview: An agent that suggests recipes based on available ingredients and recommendation, then generates shopping lists.

Code structure:

```
project-folder/
|
└── public/
    ├── index.html      (React root - already exists)
|
└── src/
    ├── App.js          (loads RecipeRecommendationAgent)
    ├── RecipeRecommendationAgent.jsx
    └── RecipeRecommendationAgent.css
|
└── welcome.html      ✓ Step 1
└── agreement.html    ✓ Step 2
```

INPUT STRUCTURE:

1. Ingredient Input

Users manually enter ingredients they currently have.

Input Type:

- Text input (string)

2. User Actions

- Add ingredient
- Remove ingredient
- Click “Get Recommendations”
- Select a recipe
- Generate shopping list

OUTPUT STRUCTURE:

1. Displayed When:

User clicks **Get Recommendations**

Output Format:

- List of recommended recipes
- Sorted by ingredient match score

2. Cooking Guide Output (Detailed View)

Displayed when a user selects a recipe.

Output Includes:

- Cuisine
- Difficulty
- Ingredients list
- Step-by-step cooking instructions
- Cooking tips

Technical Stack:

Html, CSS, Java Script, React Js

Source Code:

<https://github.com/Madankk-06/Reciepe-recommendation-agent> : Public repo link
[Github]