



Turn extra ingredients into meals

Reduce waste
Save money

THE SOLUTION

Millions of households waste food every year simply because they forget what's in their fridge or don't know what to make with it. At the same time, people often lack inspiration, time, or the culinary knowledge to turn scattered ingredients into a meal. This leads to unnecessary grocery runs, wasted money, and increased environmental impact.



MISSION

Shelf Life solves this problem by helping users make the most of what's already in their kitchen. Just type a few ingredients into the app, and it returns the top three best-matching recipes from a real-world dataset.

THE PROBLEM

- 108 billion pounds of food are wasted in the U.S. each year
- \$408 billion in food is thrown away
- 30–40% of food goes to waste – in homes, grocery stores, and restaurants
- This drives climate impact and higher food costs for everyone



FEATURES

- Ingredient input field
- Returns 3 top recipe matches based on ingredient similarity
- Displays recipe name, cook time, full ingredient list, and step-by-step instructions
- Polished frontend using Streamlit
- Dataset sourced from Food.com (via Kaggle)