# Fridge2Fork

Revolutionizing how we cook, shop, and eat—one ingredient at a time.

# Why Fridge2Fork

Problem:

- Deciding what to cook can be overwhelming, especially with limited ingredients.
- Maintaining a healthy diet requires careful planning and calorie tracking.
- Grocery shopping often leads to overbuying or forgetting what's at home.

Solution:

- Start Your Day Smart: Fridge2Fork suggests recipes based on what's in your fridge—no stress, just cooking.
- Health-Conscious Cooking: Track calories and get tailored recipes that adapt to your health goals.
- Smart Grocery Shopping: Fridge2Fork tracks your inventory and creates smart shopping lists to reduce waste and save time.

# Why Fridge2Fork Stands Out

Innovation:

- Combines AI, machine learning, and inventory tracking for personalized recipe generation.
- Seamlessly integrates with smart fridges and retrofitted systems.

Creativity:

- Tackles the universal dilemma of "What's for dinner?" with a unique, AI-driven solution.
- Goes beyond recipes by adapting to health goals and simplifying grocery planning.

Viability:

- Highly practical for everyday use, saving time and reducing food waste.
- Potential for real-world applications, like smart fridge integrations, grocery store partnerships and health app integrations.

# App Architecture and Accuracy
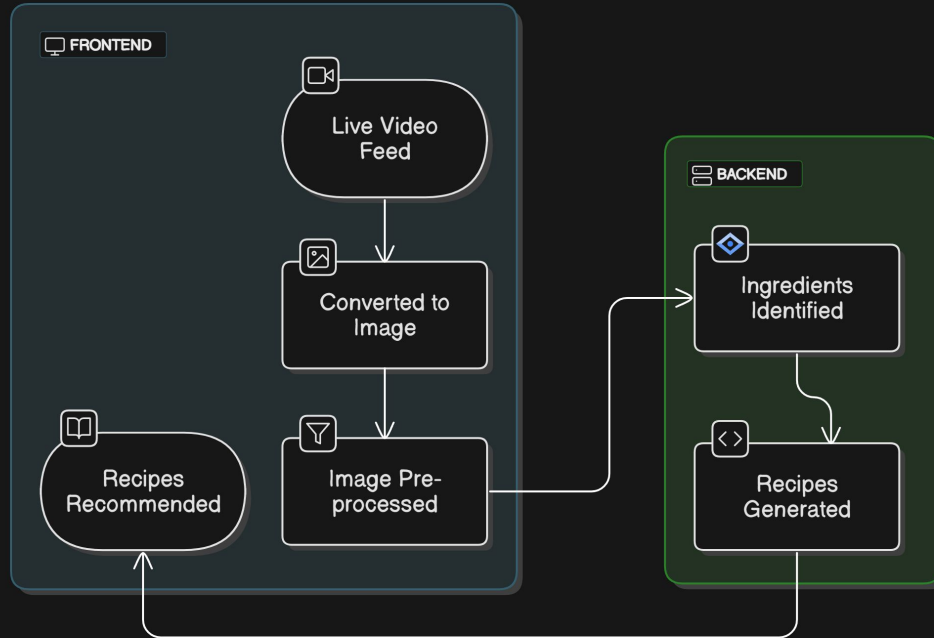


Reading and comparing data from ./ground_truth.csv...

Comparison complete.

Correct Predictions: 4970/5125

Accuracy: 96.98%

Demo

Demo

**Demo**

Demo

Demo

# Impact and Next Steps

Everyday Impact: Saves time, reduces food waste, promotes healthy eating.

Market Potential: High demand for health-conscious and tech-savvy solutions.

Future Plans:

- Integration with grocery delivery services.
- Advanced health tracking (e.g., macros, allergies).
- AR for real-time recipe visualization.