

**MICHIGAN STATE**  

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**UNIVERSITY**

# Beta Presentation

## AI Recipe Converter

### The Capstone Experience

Team Whirlpool

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*From Students...  
...to Professionals*

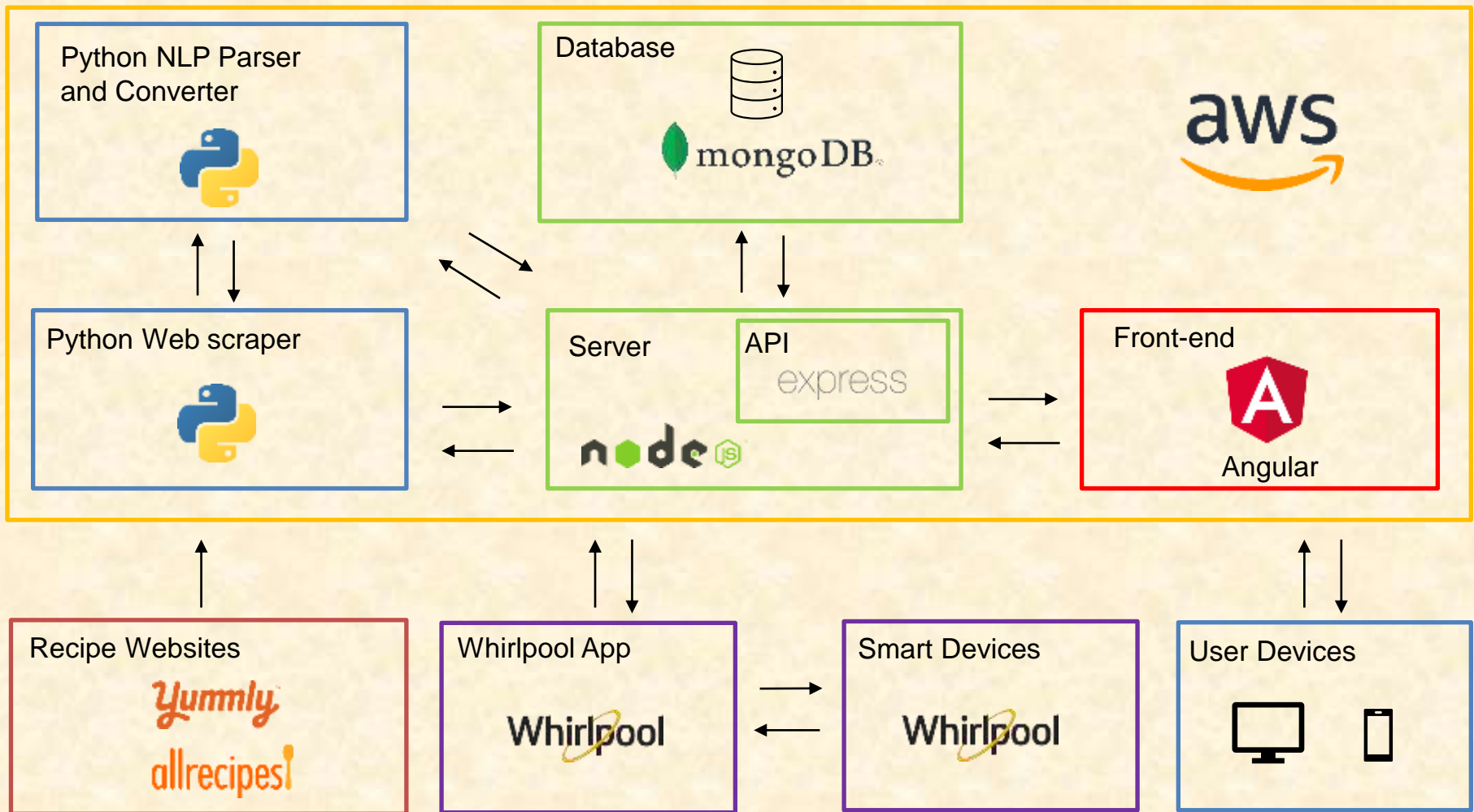
# Project Overview

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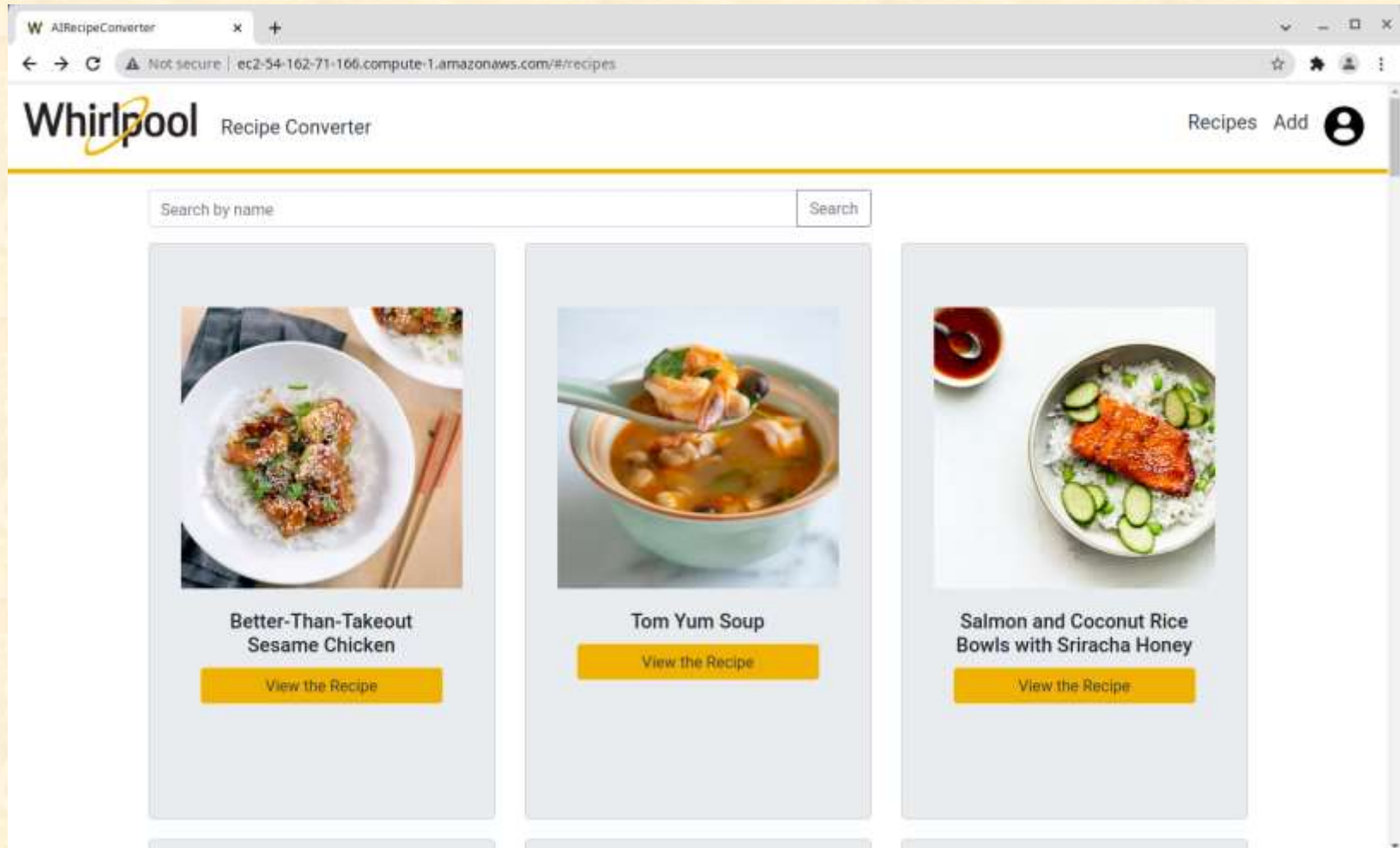
- Simplify user cooking experience by providing machine assisted cooking
- Recipes from popular cooking websites are converted to a machine-understandable format
- Whirlpool food scientists access a website to convert these recipes and make any changes



# System Architecture



# Recipe Browse Page




# Add Recipe Page

W AIRecipeConverter x +

← → ↻ Not secure | ec2-54-162-71-166.compute-1.amazonaws.com/#/add

**Whirlpool** Recipe Converter

Recipes Add 

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## Add a Recipe

Link to Recipe

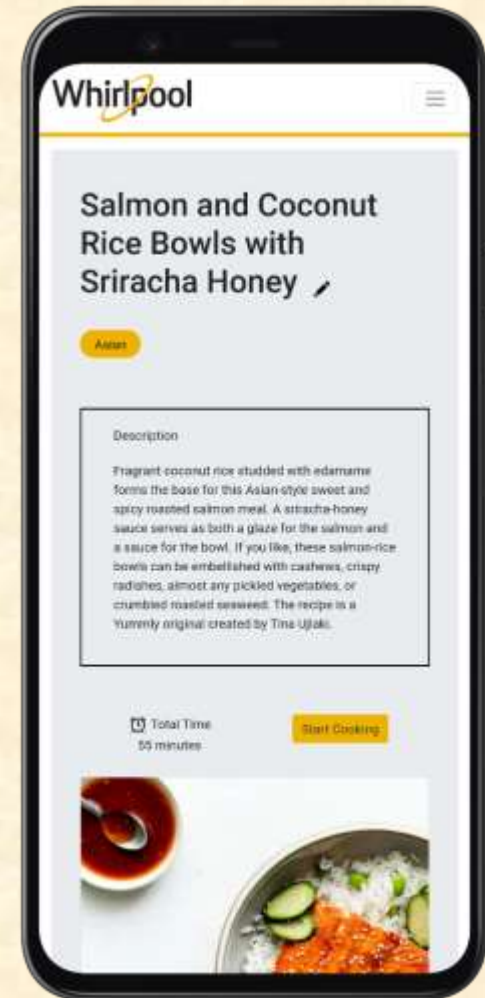
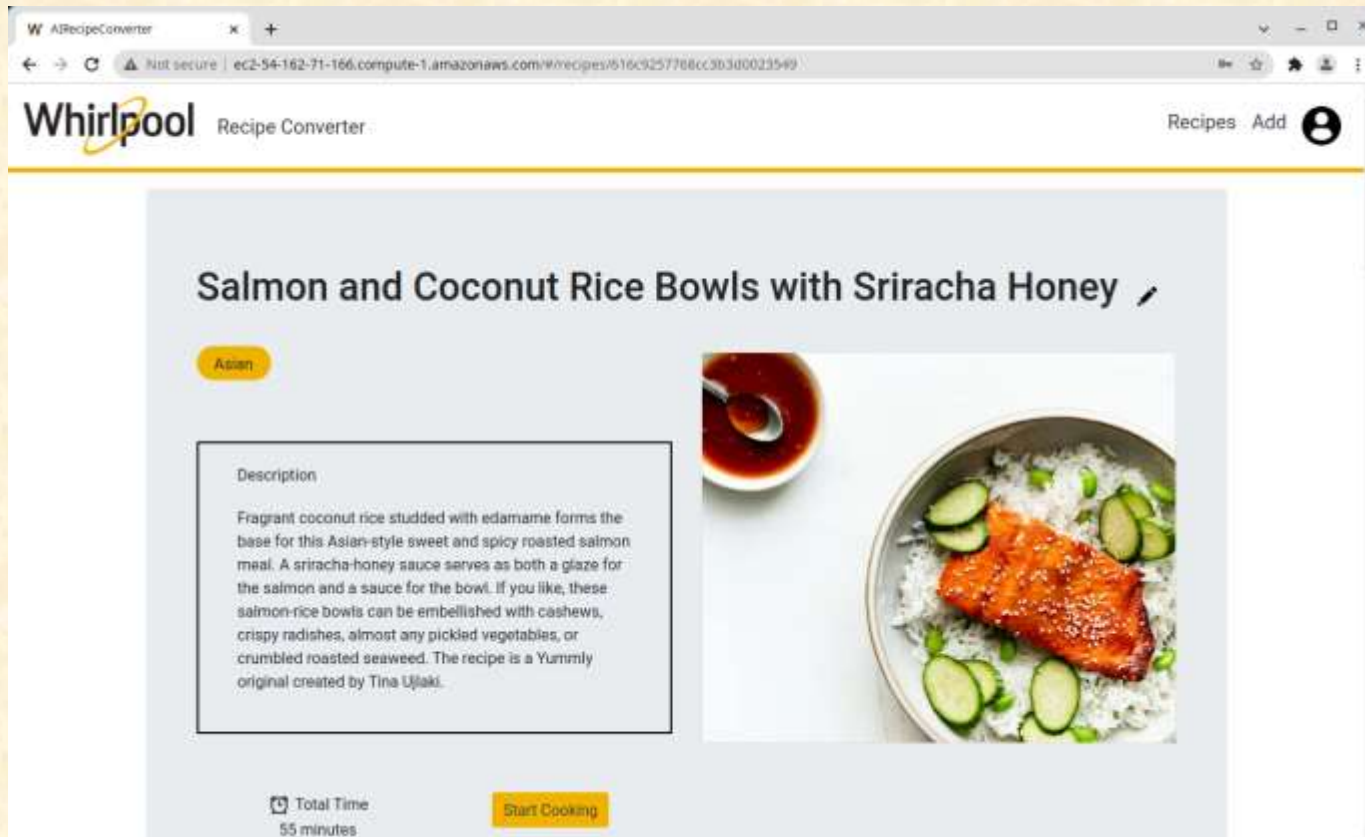
Add Recipe

Or Manually Add

New Recipe



# View Recipe Page



# Recipe Edit Page

The screenshot shows a web browser window with the URL `ec2-54-162-71-166.compute-1.amazonaws.com/#/edit/616c9257768cc3b3d0023549`. The page title is "Whirlpool Recipe Converter" and it includes a "Recipes Add" button with a user icon. The main content area is titled "Recipe Information" and contains several form fields:

- Recipe Name:** A text input field containing "Salmon and Coconut Rice Bowls with Sriracha Honey".
- Description:** A text area containing the text: "Fragrant coconut rice studded with edamame forms the base for this Asian-style sweet and spicy roasted salmon meal. A sriracha-honey sauce serves as both a glaze for the salmon and a sauce for the bowl. If you like, these salmon-rice bowls can be embellished with cashews, crispy radishes, almost any pickled vegetables, or crumbled".
- Media:** A text input field containing the URL `https://lh3.googleusercontent.com/WACVRvFJDCrBN!`.
- Category:** A text input field containing "Asian".
- Cuisine:** A text input field containing "Thai".
- Keywords:** A text input field containing "Browning" and a red "Delete" button.



# What's left to do?

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- Stretch Goals
  - Extend scraper to other recipe sites
- Other Tasks
  - Optimize recipe scraping time
  - Improve ingredient replacement accuracy
  - UI improvements to the steps and edit page





# Questions?

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