RecipeHub

“A place where every ingredient tells a story”

RecipeHub Chefs:

Bharathi Donku	**Appetizer Chef**(Frontend Developer) , Responsible for UI/UX design, Works on frontend tech's
Charles Drolet	**Sous Chef**(Backend Developer) , Manages Flask routes , authentication logic , handles user management.
Md Kawsher Mahbub	**Main Course Chef**(Database Chef), Setup and manages MongoDB schemes & collections, works on database queries , data validation.
Aravind Reddy	**Pastry Chef** (API Integrator) , Integrates TheMealDB.Api , builds search , surprise recipe, API-based features.
Akshaya Katha	**Plating chef**(Frontend Enhancement) , works on animations , optimizes responsiveness and visuals.
Akheel Syed	**Head Chef**(Project Coordinator & QA) , Oversees GITHUB repo management , ensures code quality, testing , bug fixing.

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STARTERS

Today's Special

Introduction & Motivation

Dig into the project's origins and the goals that stirred up our creative appetite.

01

Starters

Starter's Menu:

STARTERS

Today's Special

Introduction & Motivation

Dig into the project's origins and the goals that stirred up our creative appetite.

🥄 Goal: Creating an application to allow user to share recipes and learn various new culture through their shared love of food and cooking.

🥄 Purpose: Create a global recipe sharing app.

🥄 Motivation: Ease the process of sharing and learning recipes by creating a platform to replace culinary books and web page filled with ads.

Starter's Menu

Why we need RecipeHub ?

Ingredients			
1)	No recipe books	2)	Platform to share love of cooking
3)	Easy to share	4)	Well-structured Ingredients
5)	No Extensive Research	6)	Building a community

02

Kitchen Tools

Tech Stacks

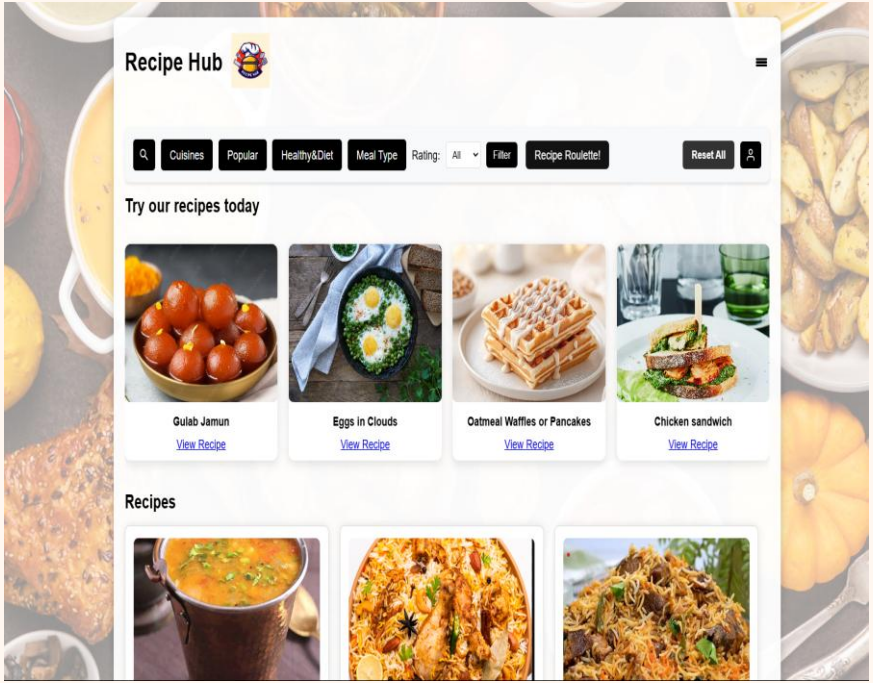
Kitchen Tools

01 **Flask**
Web-Framework

02 **MongoDB**
Database

03 **Python**
Backend
Language

Side Tools			
1)	HTML	2)	CSS
3)	Bootstrap	4)	Javascript
5)	Github	6)	Pymongo



03

Main Dishes

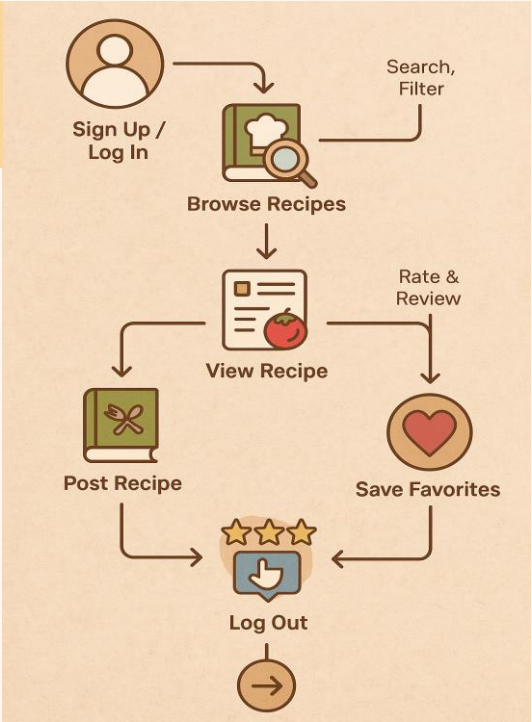
Core Features and architecture

“Key Features” Recipe

Ingredients	
½ lbs	Landing Page
1 tsp	Sign-up Page
2 tsp	Login-in Page
400 gms	Home Page
1 ½ tsp	Recipe Page
200 gms	Post a Recipe Page
2 lbs	User-Profile Page

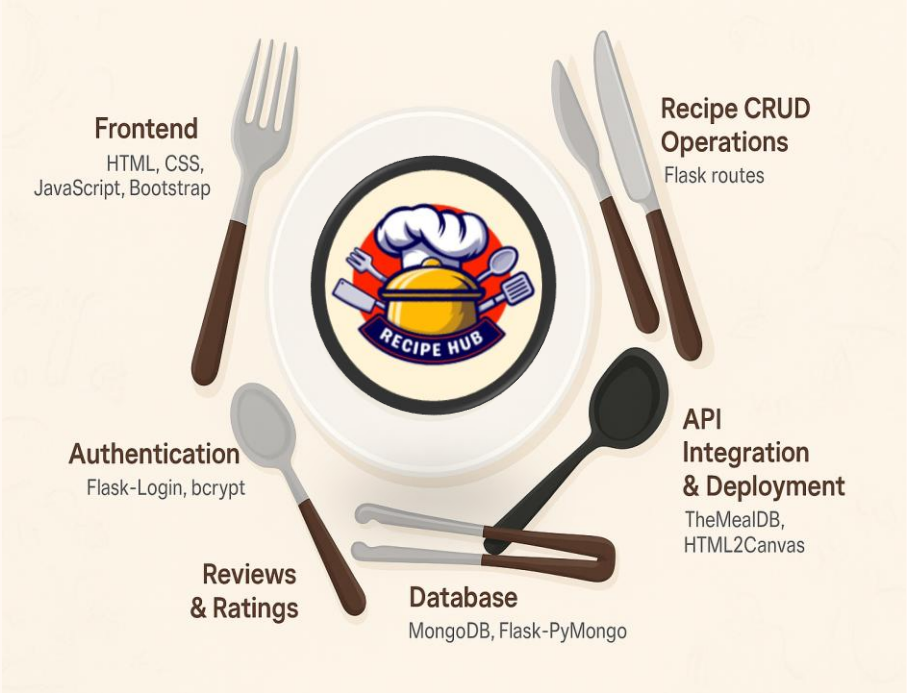
“Key Features” Recipe

Workflow:



“Architecture” Recipe

Ingredients	
3 lbs	Frond-end
1 tsp	Back-end
2 lbs	Database

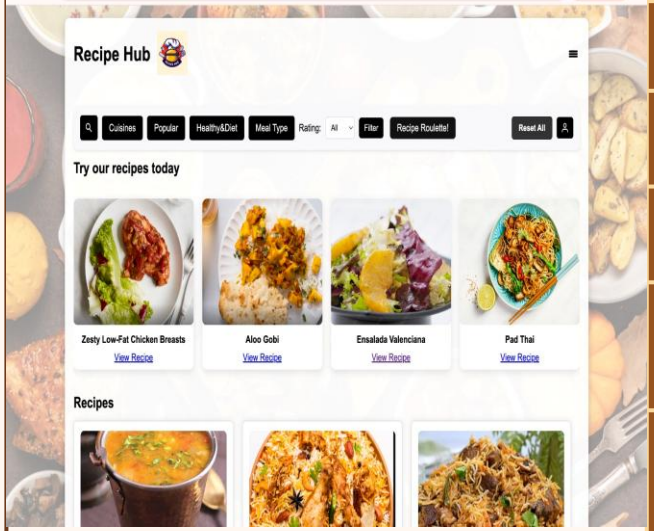


04

Desserts

User Experience & demo

“A taste of the experience”



800 calories

Per serving

Ingredients	
½ lbs	Simple & direct navigation
1 tsp	Mobile-friendly responsive design
2 tsp	Instant recipe scaling & customization
2 lbs	Seamless user feedback(reviews & ratings)
200 gms	Save favourites with one click
20 oz	Save , download and share options

“Serving the RecipeHub experience—hot and fresh!”

“Plating the demo”

Per serving

40 gms sugar

800 calories

05

Spices & Garnishes

Technical Challenges & Solutions

A Pinch of challenges:-

Spices	
1	Integrating external API(TheMealDB) with local DB
2	Managing User Authentications securely
3	Scaling Ingredients
4	Handling image uploads & serving from flask
5	Real-Time rating & reviews updates without reload

“Our Secret Ingredients”:-

Solutions Served	
Ingredient 1	Used requests + json parsing; fallback cache
Ingredient 2	Auth: Flask-Login + bcrypt for hashing
Ingredient 3	Dynamic scaling: fractional math + regex parsing in backend
Ingredient 4	Image hosting: saved to /static/uploads; served via url_for
Ingredient 5	Async updates: AJAX for reviews & replies

06

The Chef's Table

Future Works and Conclusion

“Upcoming Dishes:”:-

Our future plans	
Dish 1	🍕Advanced Search & Filters
Dish 2	📲Mobile App Version(Android/IOS app)
Dish 3	👥Collaborative Cooking(social features: follow chefs, share recipes.)
Dish 4	🔔 Notifications & Reminders
And more....	"We’re cooking up even more ideas to delight our users!"

Conclusion:

“Bringing it All Together”:

- RecipeHub Blends user-generated & API recipes
- User-friendly application

- “Thank you for dining with us! Hope you enjoyed the RecipeHub journey.”

“Got questions? Or maybe… cravings?”

“Skip the Q&A—explore and taste with Recipe Hub.”

“Visit our app and discover what’s cooking!”

-TEAM SIGMA