



# Geeky Chef

● Team Brain Train



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# MEET OUT TEAM



## Captain

Mostafa Rifat Tazwar

**Role:** Devops



## Member 1

Abdullah Muhammed  
Amimul Ehsan

**Role:** Backend



## Member 2

Abrar Jahin Sarker

**Role:** Frontend

# ABOUT US



- We are the students of Level 3, Term 2 of BUET CSE Department
- In the past, we developed a **Smart Automobile** with sonar obstacle avoidance and GPS navigation in our Microcontroller course.
- Tazwar and Jahin previously built **BdStockz**, a stock trading platform using Node.js, OracleDB, and Express, in our Database course.
- In the same course, Amim led the project **Ghora**, a ride-sharing webapp built with Node.js, Express, OracleDB, and Google Maps API.





# WHAT WE BELIEVE

## ABOUT OUR VISION AND MISSION

### VISION

To transform the way people approach nutrition, creating a future where everyone has easy access to personalized, healthy meals tailored to their unique needs

### MISSION

To deliver personalized meal suggestions and nutrition insights that help individuals achieve their health goals, making healthy eating simple and accessible through technology.



# PROBLEMS

WE WILL SOLVE THE PROBLEMS

- 01 Lack of personalized meal recommendations
- 02 Limited tailored options for specific dietary restrictions
- 03 Poor understanding of meal nutrition outside home
- 04 Difficulty tracking daily nutrition
- 05 Time constraints for preparing healthy meals
- 06 Challenging meal planning scenarios





# SOLUTION



## 01 Personalized Recipe Recommendations

- Tailored to health goals, dietary needs, and available ingredients
- Smart search for situation-based meals (quick vs. delicacy)

## 02 Nutritional Insights and Tracking

- Photo-based calorie and nutrient estimation for any dish
- Filter recipes using a nutrition value API for balanced diets

## 02 Enhanced User Experience

- Chatbot for recipe assistance
- Simplified meal preparation with easy-to-follow plans

# FEATURES

## Smart Recipe Search

Edamam's Recipe Search API

## Nutritional Analysis

Edamam's Nutrition  
Analysis API and Food  
Database API

## Image-based Food Item Detection

YOLOv8 computer vision  
model

## Interactive Chatbot

Meta LLaMA or GPT  
models

## Special Features

Calorie and nutrient estimation,  
context-aware recipe suggestions, an  
personalized meal planning and  
recipe discovery.



# TECH STACK AND DEVELOPMENT WORKFLOW



## Tech Stack

MERN (MongoDB,  
Express.js, React, Node.js)

## Version Control

GitHub

## CI/CD Pipeline

GitHub Actions

## Project Management

GitHub Projects

## Devlog

Combination of GitHub  
Wiki or a CHANGELOG.md  
with GitHub Projects

## Deployment

Vercel



# THANK YOU

● FEEL FREE TO ASK ANY QUESTIONS

