

# 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

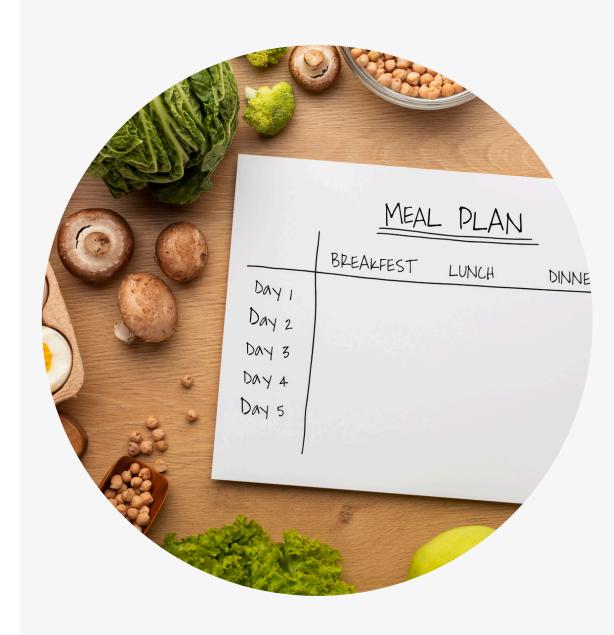
### **MISSION**

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

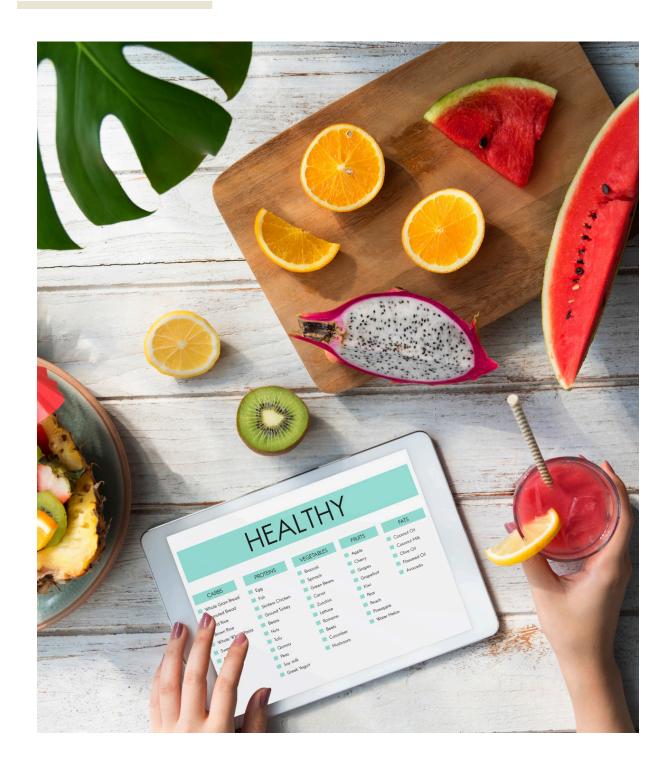
## **PROBLEMS**

WE WILL SOLVE THE PROBLEMS

- 01 Lack of personalized meal recommendations
- O2 Limited tailored options for pecific dietary restrictions
- O3 Poor understanding of meal nutrition outside home
- 04 Difficulty tracking daily nutrition
- **05** Time constraints for preparing healthy meals
- O6 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



# THANKYOU

FEEL FREE TO ASK ANY QUESTIONS