

- **Team Name** : SSD\_M2023\_7
- **Team No.** : 7
- **Project Title** : Nutrition Counter
- **Project No.** : 8
  
- **Instructor/Mentor (mentioned in project details sheet)** : Prof. Charu Sharma
  
- **Project GitHub Repository URL:**  
[https://github.com/harshita8018/7\\_Nutrition\\_Counter](https://github.com/harshita8018/7_Nutrition_Counter)
  
- **Members Details (with Roll Numbers) :**
  1. Harshita - 2023201002
  2. Divyesh Patel - 2023201048
  3. Hemanth Reddy - 2023201058
  4. Ashish Lakhmani - 2023202008

## Objective

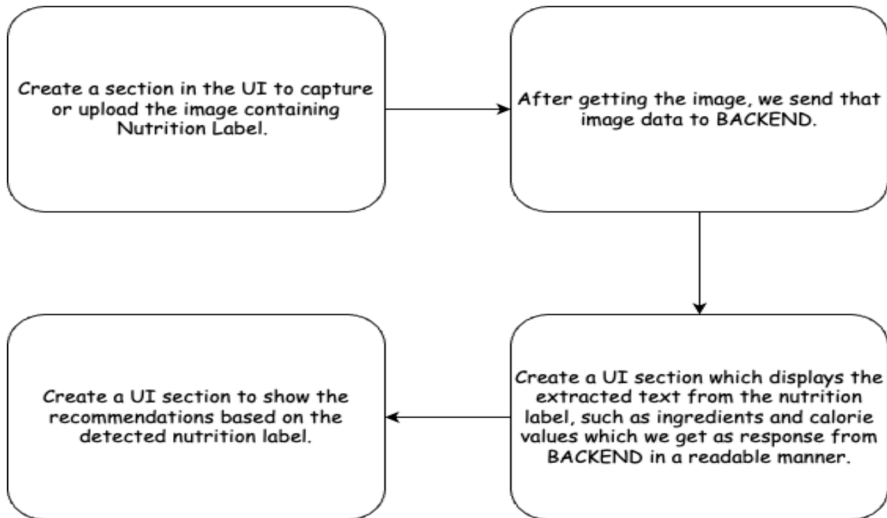
- Our primary goal is to create a user-friendly tool that extracts and analyzes nutrition data from food packaging images.
- The secondary objective involves using the extracted data to inform users about whether the food is nutritious or not and give them recommendations.

## Overview

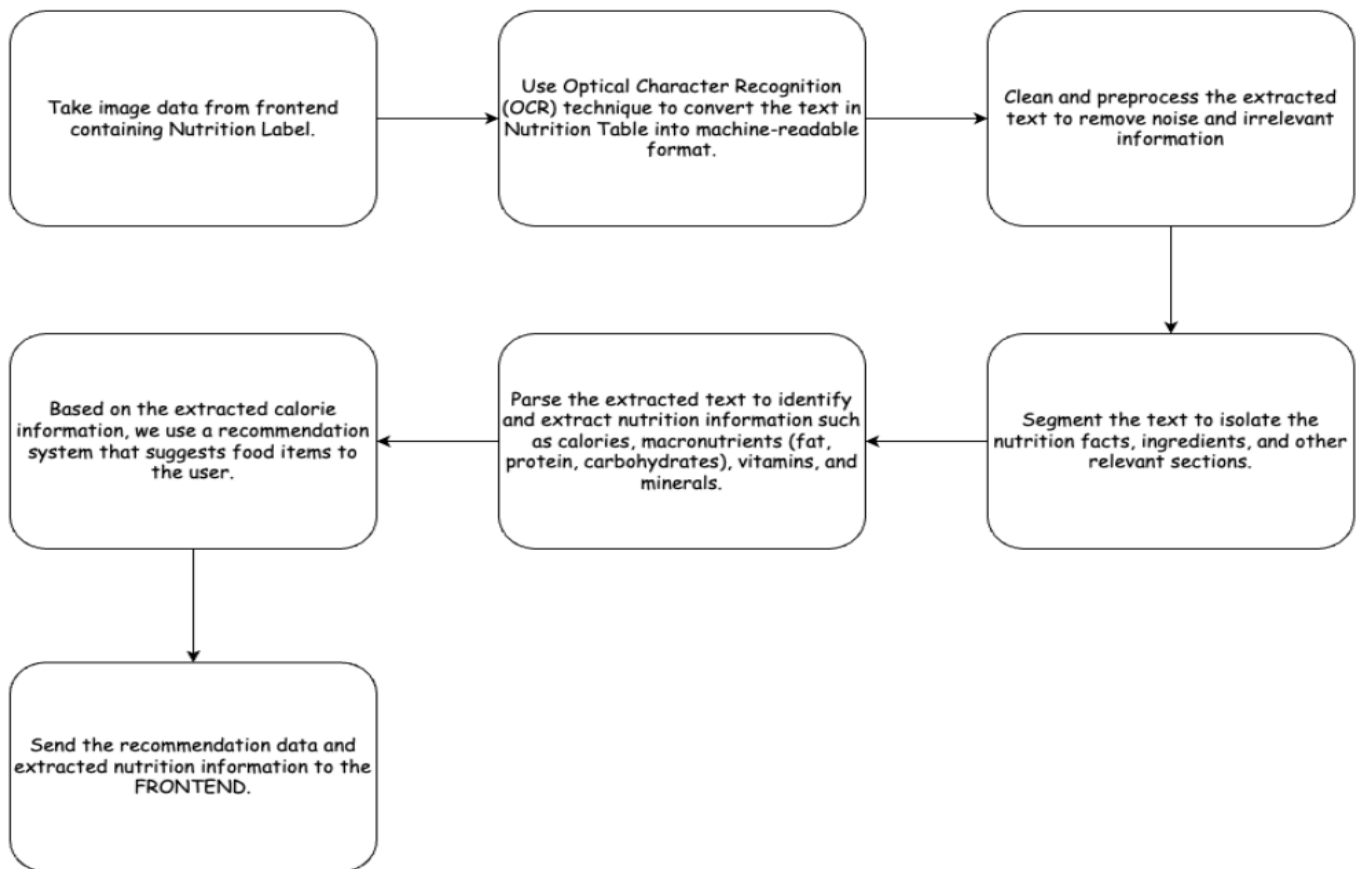
1. Account creation and login
2. Image type selection and upload
3. Data extraction and processing
4. Displaying Results - Nutrition Content and Recommendation
5. User history is also stored

## Flow Diagram

- FrontEnd



- BackEnd



## Technology Used

- **Model Used** - Tesseract
- **Front End** - ReactJS
- **Back End** - Python
- **DataBase** - MongoDB

## Challenges Faced

- Model text extraction accuracy
- Image reconstruction from binary format

## **Future Scope**

- User Profile Enhancements like storing their preferences, dietary restrictions and providing suggestions based on historical data
- Offering multilingual support
- Expand visualization options beyond pie charts, such as graphs, comparative analysis, or interactive visual representations for nutritional data. Provide customizable charts and graphs based on user preferences.
- Implement feedback mechanism to collect user opinion and provide better suggestions.