

Application Building

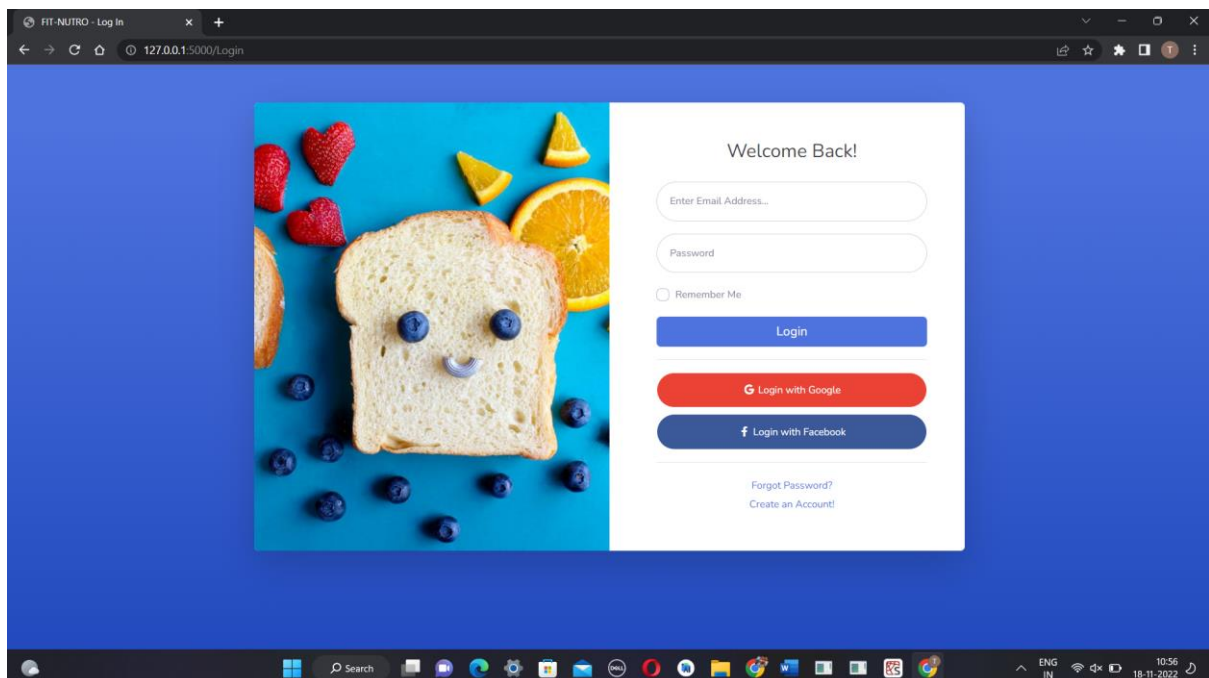
Team Id	PNT2022TMID07306
Project Name	AI-powered Nutrition Analyzer for Fitness Enthusiasts

In the flask application, the input parameters are taken from the HTML page. These factors are then given to the model to predict the type of food and to know the nutrition content in it. In order to know the nutrition content, we will be using an API in this project.

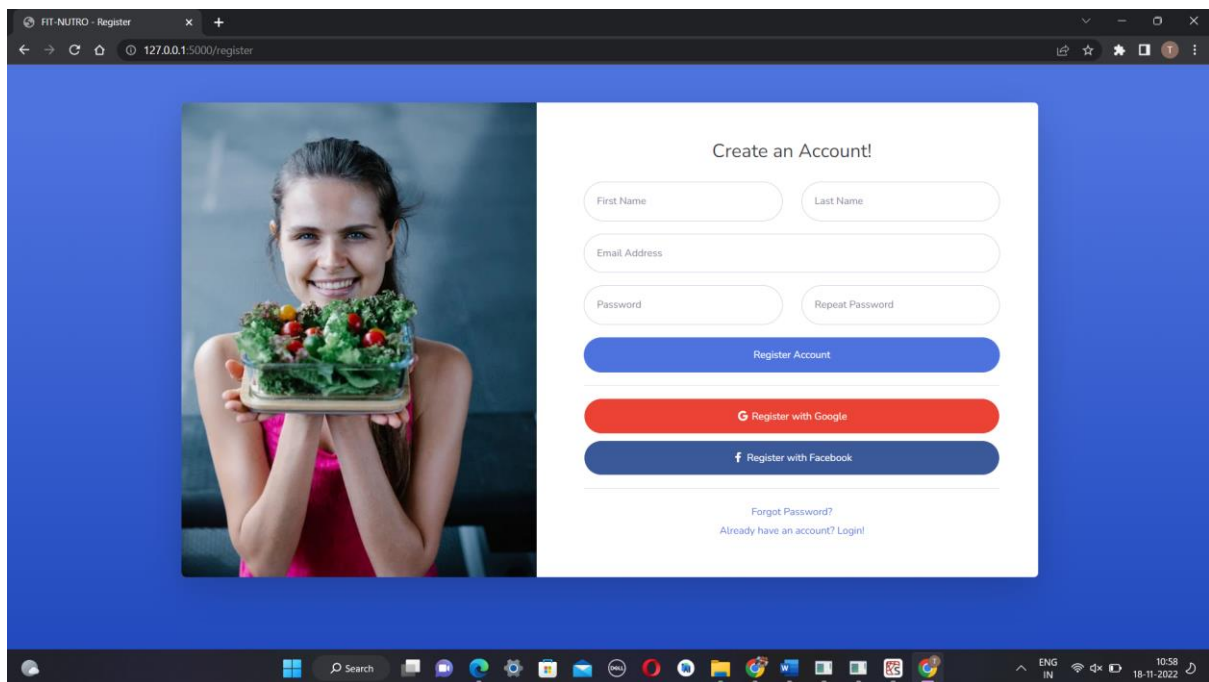
Create HTML Pages:

- We use HTML to create the front-end part of the web page.
- Here, we have created 7 HTML pages-dashboard.html, login.html, prediction.html, imageprediction.html, bmr.html, bmi.html, diet.html.
- dashboard.html displays the home page.
- prediction.html is used for uploading the image
- prediction.html will showcase the output
- prediction.html is to showcase the result. It tells the action to be performed on imageprediction.html while showcasing the result.
- We also use JavaScript-main.js and CSS-main.css to enhance our functionality and view of HTML pages.

1. Login Page



2. Registration Page



The screenshot shows a web browser window with the address bar displaying "FIT-NUTRO - Register" and the URL "127.0.0.1:5000/register". The page has a blue background. On the left, there is a large image of a smiling woman holding a glass bowl filled with fresh green salad and cherry tomatoes. On the right, there is a white registration form titled "Create an Account!". The form contains the following fields: "First Name", "Last Name", "Email Address", "Password", and "Repeat Password". Below these fields are three buttons: a blue "Register Account" button, a red "Register with Google" button, and a dark blue "Register with Facebook" button. At the bottom of the form, there are two links: "Forgot Password?" and "Already have an account? Login!". The Windows taskbar is visible at the bottom of the browser window.

127.0.0.1:5000/register

Create an Account!

First Name Last Name

Email Address

Password Repeat Password

Register Account

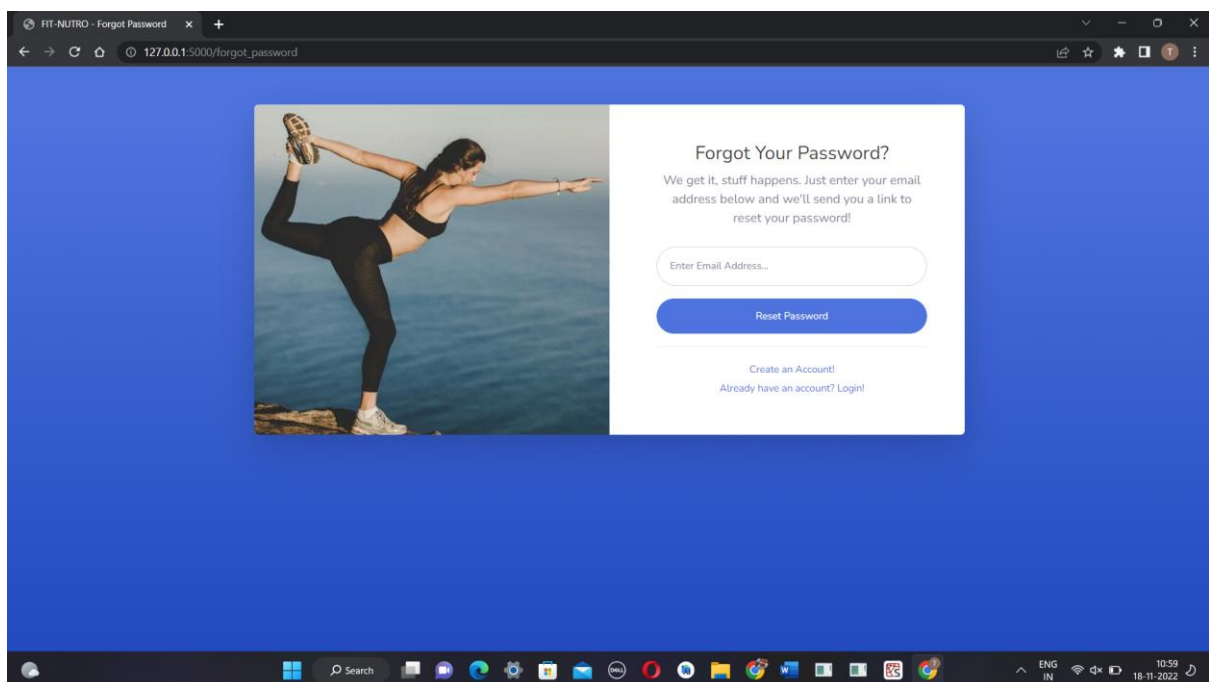
Register with Google

Register with Facebook

[Forgot Password?](#)

[Already have an account? Login!](#)

3. Forgot Password Page



The screenshot shows a web browser window with the address bar displaying "FIT-NUTRO - Forgot Password" and the URL "127.0.0.1:5000/forgot_password". The page has a blue background. On the left, there is a large image of a woman in a black athletic outfit performing a yoga pose (Cobra pose) on a rocky shore with the ocean in the background. On the right, there is a white form titled "Forgot Your Password?". The form contains the following text: "We get it, stuff happens. Just enter your email address below and we'll send you a link to reset your password!". Below this text is a text input field labeled "Enter Email Address...". Below the input field is a blue "Reset Password" button. At the bottom of the form, there are two links: "Create an Account!" and "Already have an account? Login!". The Windows taskbar is visible at the bottom of the browser window.

127.0.0.1:5000/forgot_password

Forgot Your Password?

We get it, stuff happens. Just enter your email address below and we'll send you a link to reset your password!

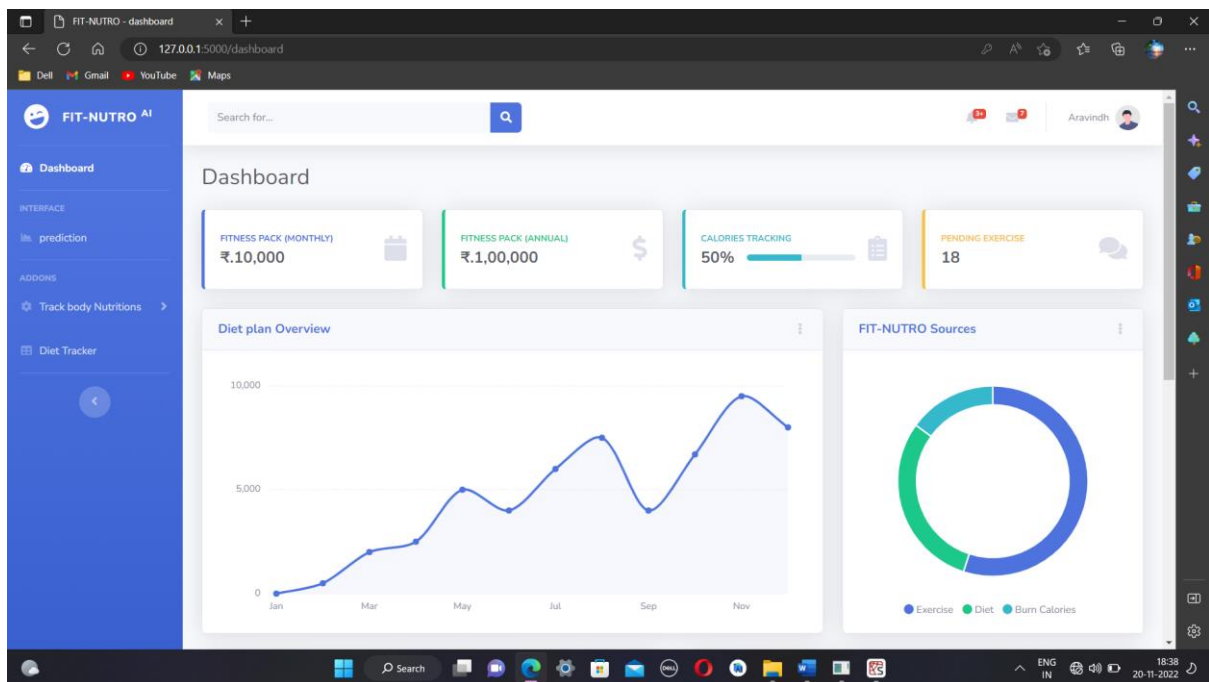
Enter Email Address...

Reset Password

[Create an Account!](#)

[Already have an account? Login!](#)

4. Dashboard Page



5. BMI Page

The screenshot shows the FIT-NUTRO BMI page. The left sidebar is the same as the dashboard. The main content area is titled 'BMI' and includes a description: 'The Body Mass Index (BMI) Calculator can be used to calculate BMI value and corresponding weight status while taking age into consideration.' Below this is a 'BMI calculator' form with input fields for Weight (57) and Height (169), a 'check BMI' button, and the result: 'BMI Value: 19.96' and 'Normal weight'. To the right is a 'Result' section with a semi-circular gauge showing the BMI value and a legend for Under weight, Normal Weight, and Over Weight. The bottom of the screen shows a Windows taskbar with the date 18-11-2022.

BMI

The Body Mass Index (BMI) Calculator can be used to calculate BMI value and corresponding weight status while taking age into consideration.

BMI calculator

Weight: 57

Height: 169

check BMI

BMI Value: 19.96

Normal weight

Result

Under weight

Normal Weight

Over Weight

6.BMR Page

BMR

The basal metabolic rate (BMR) and calorie calculator is an excellent tool for estimating how many calories your body needs on a daily basis depending on the amount and intensity of your exercise regime.

BMR calcator

Age: 21

Gender: ☒ Male ☐ Female

Weight: 64

Height: 165

Activity: Lightly active [light exercise/sports 1-3 days/week]

Calculate

BMR Value: 2241.44

Information about BMR

The calculator uses two formulas to calculate your body's daily calorie requirements

1. Basal Metabolic Rate (BMR) Formula:
The basal metabolic rate formula takes several variables like height, weight, age and gender to calculate your calorie needs as if you did not do any exercise.

2. Harris Benedict Formula:
The Harris Benedict Formula takes the number produced by the BMR formula and multiplies it depending on your activity level.

7. Diet Tracker

Diet Tracker

It can help you remember what you have eaten that day. If you are also tracking calories, you can see where you can improve if you are trying to achieve a goal. It will let you see if you are eating too much or NOT enough.

Diet Tracker

breakfast calories: How many calories did you have for breakfast?

lunch calories: How many calories did you have for lunch?

dinner calories: How many calories did you have for Dinner?

exercise: How many calories did you burn exercise?

bmr: What os your basic metabolic rate?

if you want calacuate bmr value,Click here

Submit

8. fruits and vegetables classification

