

AI-Powered Nutrition Analyzer For Fitness Enthusiasts

- ❖ Food is essential for human life and has been the concern of many healthcare conventions.
- ❖ Nowadays new dietary assessment and nutrition analysis tools enable more opportunities to help people understand their daily eating habits, exploring nutrition patterns and maintain a healthy diet. Nutritional analysis is the process of determining the nutritional content of food.
- ❖ It is a vital part of analytical chemistry that provides information about the chemical composition, processing, quality control and contamination of food.
- ❖ The main aim of the project is to building a model which is used for classifying the fruit depends on the different characteristics like colour, shape, texture etc.
- ❖ Here the user can capture the images of different fruits and then the image will be sent the trained model.
- ❖ The model analyses the image and detect the nutrition based on the fruits like (Sugar, Fibre, Protein, Calories, etc.).