

AI-powered Nutrition Analyzer for Fitness Enthusiasts

Problem Statement:

As the world grows more fitness conscious with passing time, the demand for technological solutions to cater to these burgeoning and diversifying. Lately a number of start ups in Indian worldwide are using predictive analytics artificial intelligence and natural language processing to help scores of fitness enthusiasts to track and monitor the nutrition and calory intake. Nutritional analysis is the method of determining the nutritional composition of food. It is a critical aspect of analytical chemistry that offers information about the chemical composition, processing, quality control and contamination of food. The major purpose of the project would be to construct a model which is used for classifying the fruit depending on the many features like colour, shape, texture etc. Here the user can capture the photographs of different fruits and then the image will be provided to the trained model. The model examines the image and identifies the nutrition depending on the fruit's as (Sugar, Fibre, Protein, Calories, etc)