

AI-powered Nutrition Analyzer for Fitness Enthusiasts

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Proposed Solution:

The primary goal of the project is to build a model that is used for identification of the fruit depends on different characteristics like colour, shape, texture etc using image processing. Here the user can capture the images of various fruits and then the image will be analysed with the trained model. The model analyses the image and enumerates the nutrients present in the fruit as sugar, vitamins, minerals, proteins, and so forth.

Novelty:

The application has several unique features. The main trait is that the user does not have to consult a nutritionist (or) a dietician to track their fit and healthy diet. This application has the feature of analysing the nutrition content of fruits and vegetables by simple scanning. It sets out a customized dietary requirement for people who have limited preferences when choosing food.

Business Plan:

Social media is the best way to spread the word about the application and with the help of influencers we can attract audience. Clustering and targeting the fitness people with the help of local gyms. Allowing third-party vendors to sell their products through our app via advertisements is way to generate money.

Social Impact:

This will acquire knowledge and provide information about nutrition. Now days, no one follows a proper diet. Providing this information, they can know about the various nutrition content available in each food item. It is used to schedule a diet plan by capturing the image of a food item, we can get information about nutrition content availability like carbohydrates, fat, proteins, vitamins, minerals and sugar. This will help others to improve their health and fitness.

Scalability:

Artificial intelligence (AI) can be used to predict investment outcomes quickly and effectively, as well as to devise strategies or establish long-term goals. Scalable AI pertains to how data models, infrastructures, and algorithms can increase or decrease their complexity, speed, or size at scale in order to best handle the requirements of the situation at hand. As improvements continue with data storage capacities as well as computing resources, AI models can be created with billions of parameters. Scaling up nutrition is a global push for action and investment to improve maternal, child nutrition and various health problems.