AI POWERED NUTRITION ANALYZER FOR FITNESS ENTHUSIASTS

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PROPOSED SOLUTION

Novelty:

- Artificial intelligence offers unparalleled opportunities of progress and applications in nutrition. There remain gaps to address to potentialize this emerging field.
- Recently, there has been an increase in demand from common people for fresh, nutritious foods.
- This new trend shifting towards safe and nutritious foods has resulted in the development of analysing nutrition and consuming food that helps to maintain fitness with the help of fitness analyser.
- In this project, the image of food is processed using AI to find its corresponding nutrients (eg; carbohydrate, sugar, fat content etc.,).

Feasibility of idea:

- This idea can be achieved through AI with the help of ANN, CNN models to process the image and classify them. This classification gives the output and its corresponding nutrients are computed.
- This can be made convenient by creating the software which gives the expected result.
- Market survey to collect availability of foods, household food habits survey and identification of inexpensive and nutrient-rich local foods.