



Diet Recommendation System

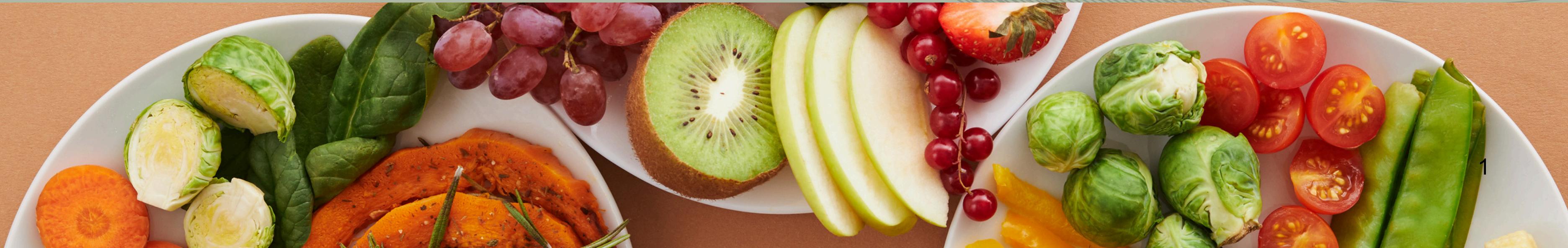
A healthy approach to nutrition

Presented by -

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Guide - Dr.S.D.Pable





Introduction

What is the meaning of Diet

?

Importance

Type of Diets





Project Overview

Problems :

- People struggle with choosing healthy meals
- Lack of knowledge

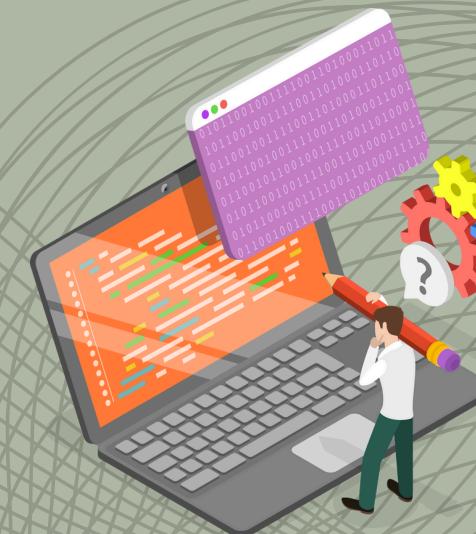
Our Solution :

- Personalized meal recommendations.
- Medical conditions
- Meal filtering
- Easy user interaction





Software Requirements



Programming Language

- Python

Integrated Development Environment (IDE)

- Jupyter Notebook
- VSCode

Libraries

- Numpy
- Pandas
- Sk-learn
- Requests

Frameworks

- Streamlit (for UI)



Current Progress



Step 1: Food Data Fetched & Processed (USDA API).
Step 2: Data Categorized (Breakfast/Lunch/Dinner)
& Tagged (Veg/Non-Veg).

➡️ Next Step:

ML Model Trained (K-Means Clustering).
Integrate into Streamlit UI for real-time
recommendations.





Thank You

for Your Attention!

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