Leaf to Soup

Project Title: Leaf to Soup

Aim: Predict the name of a leaf based on the picture of the leaf taken and recommend the kind of soups that leaf can be used in cooking.

Problem Statement: How can one tell a kind of leaf in the market and get suggestions on the kind of soup that leaf can be made with to trigger purchase. Many of the younger generation can hardly tell which leaf they are to use for specific soups leading to many not able to prepare highly nutritious soup for healthy living. With an on-the-go solution which can give such recommendation many will have the opportunity to eat well again even when far away from home.

Project Overview: The project will give users the ability to predict a leaf they come across in a Nigeria market, recommend soups they can make from the given leaf and the nutritional benefits of the given leaf.

Project Phase:

* Data Collection
* EDA
* Feature Selection
* Modeling
* Deploy Solution on Steamlit

Solution

Model input: Take a picture of the leaf.

Model output: Leaf Name, Soups recommended, Nutritional benefits.