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DELIVERY AND ACCEPTANCE-1002

MARCOS BITTENCOURT

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Contents

1.1 Executive Summary

An analysis is conducted to predict whether a given dish is vegetarian or not, depending on the ingredients used in the dish. In simpler terms it is expected that that a dish with same ingredients, would result in a similar dish. Predictive modelling techniques would be used to find a solution which best classifies the dish as vegetarian or non-vegetarian in terms of diet.

1.2 Problem Statement

The problem statement is "To classify a dish as vegetarian and non-vegetarian based on the ingredients".

Based on the ingredients used to prepare an Indian dish, it can be classified as a part of a vegetarian diet or a non-vegetarian diet. To gain insights on how dishes with similar ingredients can be classified similarly or differently based on region, flavor, and course.

1.3 Deployment

Flask was used to develop a webapp for model deployment. It uses the pickle files that were saved after ML model building and Evaluation. The web-app sits in a **Heroku** container making is accessible for users.

Flask is a web framework. This means flask provides you with tools, libraries and technologies that allow you to build a web application. Flask is part of the categories of the micro-framework.

Heroku is a container-based cloud Platform as a Service (PaaS). Developers use Heroku to deploy, manage, and scale modern apps.

Git Repository - Git Hub Link

Web App Link - Indian Dish Classification

** Pickle Files are available in the Git Repository