Cooking Classy System

Contents

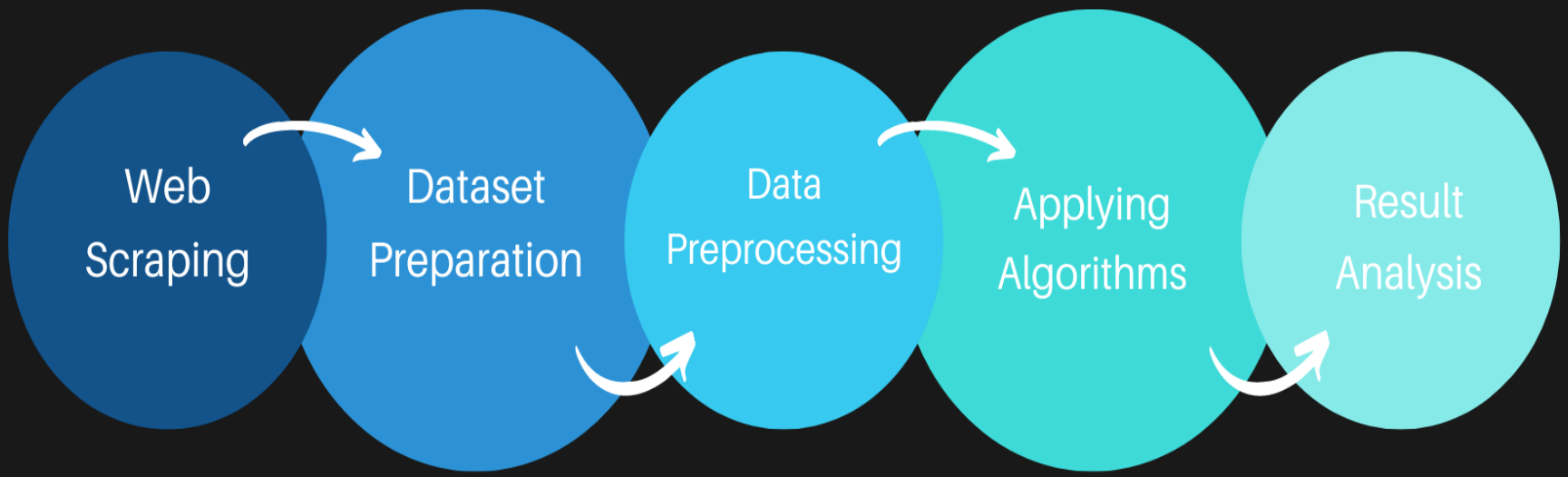
Objective

- We can pair various ingredients with each other and generate a dish. However, it is not possible to perform these experiments in kitchen. Hence, science is used to determine various ingredient pairs.
- Due to the increasing availability of data in online databases, data mining and machine learning methods are starting to play a prominent role in food consumption analysis and food preference modeling
- The objective is to help in innovation of new dishes and to help people allergic to certain ingredients by recommending alternate ingredients.

Abstract

- A recipe on Website shows the ingredients that are needed for a dish and the procedure of the cooking.
- But the problem is, the user cannot identify what are the dishes can be cooked by using the ingredients available by the user.
- A recommendation system is used in which the ingredients available by the user is taken as input and analyzation process is done with the help of data-set collected, and the appropriate dishes or recipes is recommended to the user by Machine Learning.

PROJECT FLOW



Technical Knowledge

- Python programming
- Machine Learning Algorithms
- Natural Language Processing
- Web scraping

DAY WISE PLAN

01 Preparing dataset using webscarpping

02 Preparing dataset using webscarpping

03 Data preprocessing using NLP

04 Training and testing the model

05 Designing an interface

06 Result Analysis

07 Modifications

COOKING CLASSY SYSTEM

Challenges

- While preparing dataset using web scraping, searching for websites that allow web scraping, is a time taking process.

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