RECIPE GENERATOR

The goal of this project is to recommend recipes to users based on the ingredients provided as input ,that is ingredients that they currently have on hand.

Data was first scraped from allrecipes.com using BeautifulSoup and the details of the recipes were stored on a database along with the rating provided in a json format.Natural language processing techniques were used to tokenize the words and perform some basic pre processing including stemming ,lemmatization,converting to lowercase etc.The ingredients were scored using TF IDF giving ingredients like sugar a lesser weight or a lesser indication of similarity.The cosine similarity was then used to compare the ingredients provides as input by the user and the ingredients stored in the database and that along with the rating was combined to recommend the recipes.

TECHNOLOGIES USED :
Frontend framework : HTML and CSS
Backend (Web) framework : Flask
Database : MongoDB
Webscraping:beautifulsoup,regex
Working with data : numpy,pandas

TEAM :

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