



COURSERA CAPSTONE PROJECT

FINIDING A SUITABLE RESTAURANT IN BANAGLORE

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INTRODUCTION:

Bangalore is the capital of India's southern Karnataka state. It is India's high-tech industry hence containing a large number of working people. This has increased the number of young adults who depend on restaurant for their food. Different people have different requirements when it comes to choosing a restaurant. While going to a new place knowing the restaurants in different areas help you decide the suitable locality for an individual.

BUSINESS PROBLEM:

Deciding the most suitable locality with the most suitable restaurants can improve the comfort of living for a person. This project will allow customers to categorise and classify their restaurants easily.

TARGET AUDIENCE:

This project will help the working class, tourists and families decide on the restaurants of their choice.

DESCRIPTION OF DATA:

Required Data:

1. Postal code of restaurants in Bangalore
2. Latitude and longitude of restaurants
3. Ratings of the restaurants

Source of Data:

1. Postal codes of areas in Bangalore is determined by extracting it for sites online.
2. Latitude and longitude is determined using geopy
3. Restaurants are found using Foursquare API
4. Rating of restaurants are determined using Foursquare API

SOLVING THE PROBLEM:

The names of restaurants along with the details of the restaurants are extracted using Foursquare API. The available ratings are also extracted.

The restaurants can be clustered according to the ratings hence allowing the customer to see areas with good restaurants. Depending on the customers requirement of the type of restaurant and cuisine they can choose the most suitable area for them.