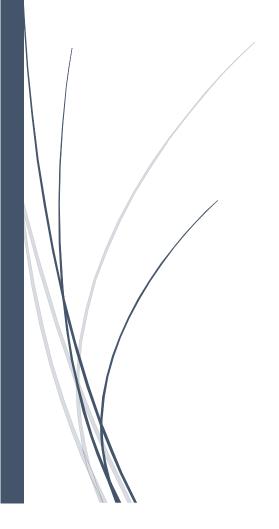5/15/2020

BUILDING A RECOMMENDOR SYSTEM FOR HOTELS IN THE CITY OF BENGALURU

- *ANNAPOORNI RAVI*

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INTRODUCTION:

Bengaluru is the capital city of the state Karnataka. With a population of over 21 million (as of March 2018), Bengaluru is the third largest city in India and 27th largest city in the world.

The diversity of the cuisine available is reflective of the social and economic diversity of Bengaluru. It being a cosmopolitan city, gives a foodie a multitude of options starting from Roadside food vendors to tea stalls to continental food to Chinese and Western Foods apart from being home to a multitude of Indian cuisines. Bengaluru is predominantly famous for its Udupi restaurants which largely welcomes vegetarian and vegan crowds alike. Bangalore can also be called a foodie's paradise because of its vast variety of foods and edibles with a touch of Bangalore's uniqueness and tradition.

OBJECTIVE:

As someone who travels very often to different locations and am met with unfamiliar environment more often than not, the lack of local knowledge about choice of restaurants, cuisines etc has caught me unaware more often than not. In such situation the presence of a recommender system which will give me information the following factors:

- Choice of cuisines in the local restaurants
- Recommendations of good hotels based on reviews
- Similar restaurants nearby
- If there are multiple "similar restaurants" nearby, what's the average piecing in that restaurant? How is it different from my other options?

SCOPE:

The goal of this recommendation engine is to answer the following questions:

- What types of restaurants are present in a particular locality?
- What are the other similar options in the locality based on cuisine preference?
- How do different restaurants rank with respect to my preferences?

TARGET AUDIENCE:

There is no specific class of audience for this recommender system. This will definitely help someone who is travelling, or in a new location identify what their options are based on cuisine preference.

SUCCESS RATE:

With the advent of a huge population increase in cosmopolitan cities, there is almost a new restaurant or eatery that pops up almost every single day. The lack of a recommender system that focuses on the newly introduced cuisines, popular dishes or some of the must try's is an inconvenience for tourists who may not have a great idea about the local food space and may not know the right people to ask about the same. Putting to use the various machine learning techniques, a recommender system which will cater options based on our preferences will be welcome by the common crowd in general.