

Capstone 3 – Project Proposal

Problem Identification

- We have a dataset of over 500,000 menu items served by 5,000+ restaurants across cities like Hyderabad, Bangalore, Chennai, etc.
- Consider the problem of predicting the cuisine of a restaurant menu item directly using its listed name on the restaurant's front end.
- Our aim is to identify the best classification technique that can help food databases easily categorize items into specific cuisine type to overcome labour intensive data entry.
- We intend to build a robust machine learning model to automatically predict a cuisine category for any food item inputted. This will help with problems like user taste profiling, recommender systems based on user segmentation and restaurant tagging. data

Problem Statement

Create a corpus of cuisines and classify food items into their respective category. Further, generate training data and build a robust Machine Learning text classifier that inputs a food item name and predicts a suitable Cuisine type that the item belongs to.