

CSP-554 BIG DATA TECHNOLOGIES

PROJECT PROPOSAL

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INTRODUCTION

In today's fast-paced world, dining out has become an integral part of our lifestyle. But with so many places to pick from, it can be difficult to know where to go, particularly if you're in a strange place. This is where a system that recommends restaurants based on their location might be quite helpful.

OBJECTIVE

The Location-Based Restaurant Recommendation System is a data-driven project designed to provide personalized restaurant recommendations to users based on their current or specified location. Our work proposed a new approach to recommend user better restaurants based on analyzing daily reviews. This helps the user to choose the better restaurant on the same day. we are able to extend working on the same by implementing sentimental analysis on negative User Review, which helps us to acquire much better results.

BIG DATA TECHNOLOGY: Hadoop, Apache Spark, Apache Kafka, Elasticsearch

REFERENCES

<https://github.com/patilankita79/Location-based-Restaurants-Recommendation-System/tree/master/BigDataProject>

<https://developer.confluent.io/what-is-apache-kafka/>

<https://haocai1992.github.io/data/science/2022/01/13/build-recommendation-system-using-scala-spark-and-hadoop.html>

<https://spark.apache.org/>

<https://docs.aws.amazon.com/lex/latest/dg/sentiment-analysis.html>