

ALGORITHMS FOR INFORMATION
RETRIEVAL AND INTELLIGENCE WEB

PROJECT REVIEW 1

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TITLE

RESTAURANT CHOICE ASSISTANT



ABSTRACT

THE GOAL OF THIS PROJECT IS TO DEVELOP A RECOMMENDATION SYSTEM THAT SURPASSES THE LIMITATIONS INHERENT IN TRADITIONAL RESTAURANT SEARCH METHODS, WHICH RELY SOLELY ON DISH AND RESTAURANT NAMES.

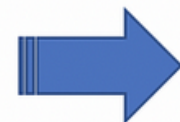
YOU GIVE THE NAME OF YOUR FAVOURITE DISH
AND IT RECOMMENDS THE BEST RESTAURANTS FOR THE RESPECTIVE DISH

YELP, ZOMATO HAVE DATA

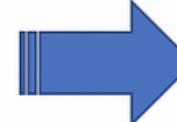
WHAT USERS
BROWSED

WHAT USERS
CLICKED

WHAT USERS
RATED



Recommendation
Engine



TOP PICKS FOR YOU!

IF YOU LOVE THIS
YOU WILL LOVE THAT

PROPOSED METHODS

OUR INFORMATION RETRIEVAL USES A VARIETY OF AIRIW CONCEPTS, AND , CAN TAKE CARE OF A VARIETY OF QUERIES RANGING FROM INDEX GENERATION, WILD CARD QUERY IMPLEMENTATION DETAILS, PHRASE QUERIES IMPLEMENTATION DETAILS, RANKING OF RETRIEVED RESULTS, SEMANTIC MATCHING USING PRE TRAINED MODELS, TAKE IN USER FEEDBACK, A SIMPLE GUI ETC.

DATASET USED

ZOMATO BANGALORE ANALYSIS DATASET

[HTTPS://WWW.KAGGLE.COM/DATASETS/ABSIN7/ZOMATO-BANGALORE-DATASET/DATA](https://www.kaggle.com/datasets/absin7/zomato-bangalore-dataset/data)

PROPOSED STEPS

1. PRE-PROCESSING OF RAW DATA
2. GENERATE INVERTED INDEX
3. HANDLING WILD CARD AND PHRASE QUERIES
4. RETRIEVE RELEVANT TEXT USING SIMILARITY INDEX
5. RANKING OF RETRIEVED DOCUMENTS
6. ADVANCED SEARCH: RELEVANCE FEEDBACK, SEMANTIC MATCHING, RE-RANKING OF RESULTS, FINDING OUT QUERY INTENTION

THANK YOU