Vishnu Institute of Technology

Binary Brain's

Multipurpose Search Engine

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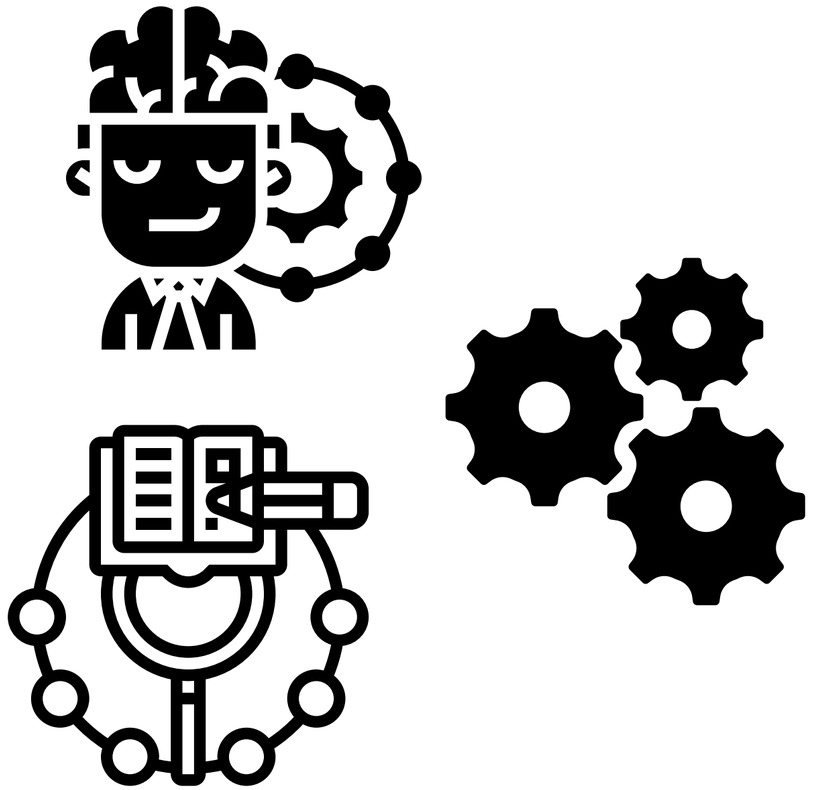
Domain : Machine Learning

Problem Statement

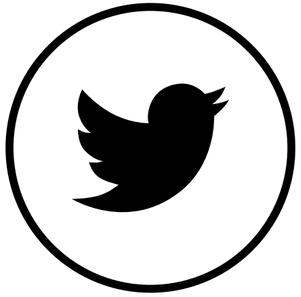
- In the past, users would have to visit different websites or use different search engines to find the information they were looking for, depending on the type of information they needed.
- However, users often have a wide range of search needs beyond just text-based content, including videos, audio files, social media, and more.
- Traditional search engines are designed to primarily retrieve text-based content, such as web pages or documents or and images, based on keyword searches.



Idea& Solution

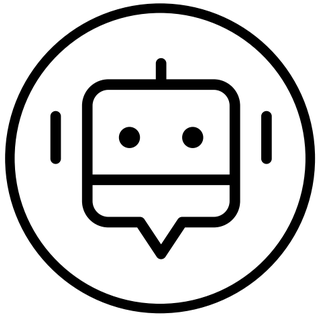
Multipurpose search engines, on the other hand, allow users to search for multiple types of information all in one place from various platforms. This can save users time and effort, as they no longer have to switch between different search engines or websites to find what they need.

Google



Twitter

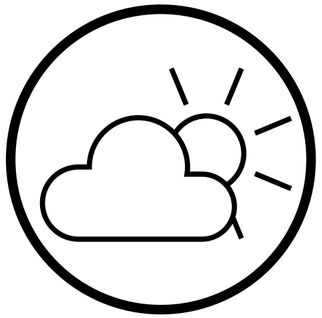
YouTube



AIBot

Multipurpose search engine is to provide users with a comprehensive and efficient search platform that satisfies the diverse needs and preferences of users. It is useful for finding information for the users that can search for text-based content or other multimedia, used for entertainment purposes, such as searching for music, movies allowing users to search for content on popular social media platforms like Google, Twitter, and YouTube

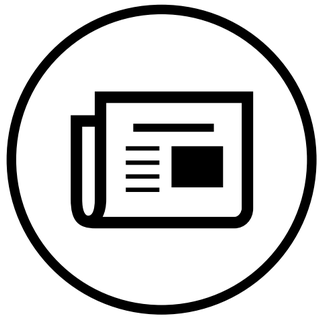
Streamlit



Weather

Music

Movies



News

Maps

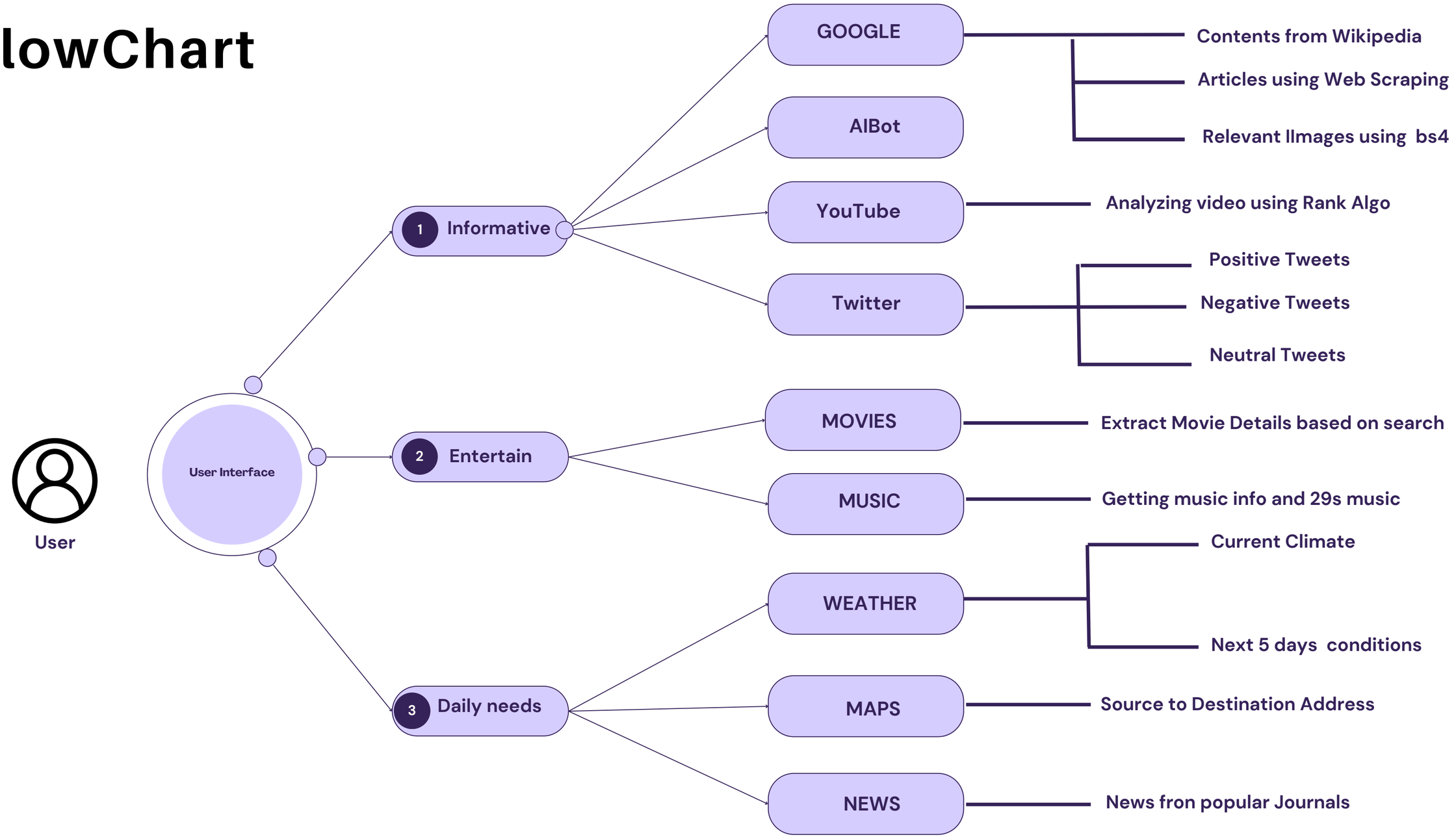
Algorithms

Google Content Summary : Build a summary model using frequencies

Vader Sentiment : Categorizing tweets into Positive, Negative & Neutral Tweets.

Rank Algorithm : Compute rank using the emotional intensity of comments.

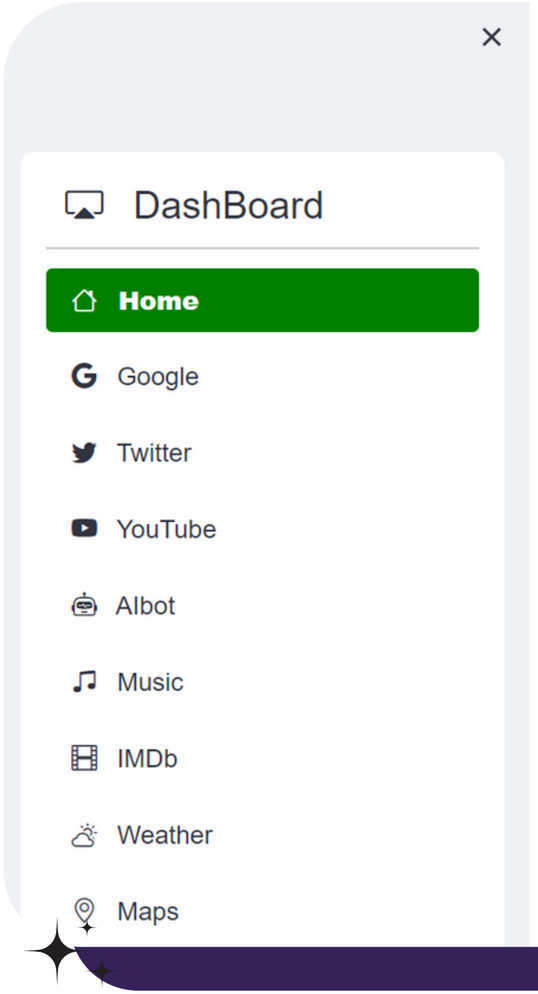
FlowChart


User
User Interface
1 Informative
2 Entertain
3 Daily needs
GOOGLE
AIBot
YouTube
Twitter
MOVIES
MUSIC
WEATHER
MAPS
NEWS
Contents from Wikipedia
Articles using Web Scraping
Relevant llmages using bs4
Analyzing video using Rank Algo
Positive Tweets
Negative Tweets
Neutral Tweets
Extract Movie Details based on search
Getting music info and 29s music
Current Climate
Next 5 days conditions
Source to Destination Address
News fron popular Journals

Results

Binary Brains

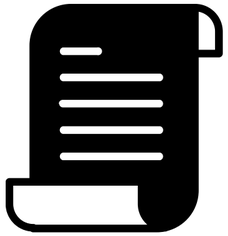
I N T E R F A C E



Dependencies

Tech Stack

Sentiment Analysis
Data Collection
Web scraping
Data Preprocessing

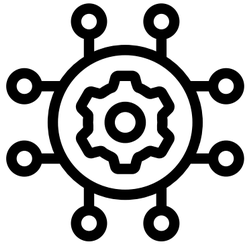


Requirements

TextBlob
spotify
Snscrape, API's
Beautiful soup
owm, geopy

UI / UX Design

Streamlit
Streamlit option menu
Streamlit lottie files
Streamlit folium



Algorithms

Vader Sentiment
Rank Algorithm
Summarization Model

Thank You