



# Tweeysa

Advanced Twitter  
Sentimental Analysis  
Application

# About Tweeysa

Tweeysa is essentially an advanced sentimental analysis application which works on the tweets content designed especially for managing, fetching, analysing data related to the COVID-19 outbreak and the lockdown circumstances thus making a window tool for in depth as well as shallow analysis.

In addition to this, Tweeysa also provides functionalities for better twitter data usage such as detecting fake news and reporting them, making essential crowd predictions based on twitter data for any convergence of people crowd, and specialize twitter data analytics for miscellaneous functions.



# Problem Statement

The sentiment analysis of Indians after the extension of lockdown announcements to be analyzed with the relevant #tags on twitter and build a predictive analytics model to understand the behavior of people if the lockdown is further extended.  
Also develop a dashboard with visualization of people reaction to the govt announcements on lockdown extension



# TECH STACK

## technologies



- IBM Watson NLP Classifier
- IBM Watson Tone Analyzer
- Google Sheets
- SQL Lite

## platforms



- Django Framework
- Scikit-Learn
- Google Drive Framework

## APIs



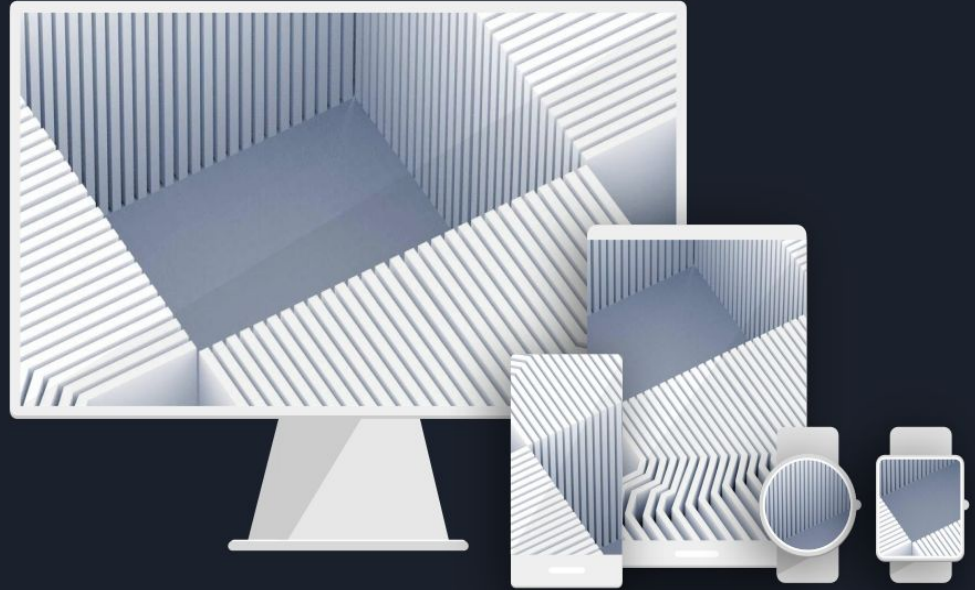
- Twitter Standard Search API
- Twitter Streaming API
- Google Driver API



# UI/UX

The whole project works on django-2.2.3 framework which provides us a library, full of options including a local server to host and an inbuilt mysqlite3 database.

All the html files are in html5 format and the css styling is powered by w3.css



# ARCHITECTURE

01

## General Dashboard

- Displays global data about COVID-19
- Displays sentimental on global recent available tweets
- Gives options to report and register a hashtag for sequenced analysis.

02

## Location based Analysis

- Used to fetch sentimental analysis data on specific locations depending on recent tweets thus predicts information.
- Choice of location depends on the subscription package.

03

## Crowd Prediction

- Used to predict any upcoming crowd or tension based on converging tweet data.
- Automatically informs authorities if chances increases than a cutoff.

04

## Fake news detection

- Detaction of fake news based on tweets, hashtags, usernames and locations.
- Reports the user and accepts requests for validation.

05

## Special Analytics

- Used for sequential analytics on registered hashtags for availing any facilities and then informing concerned authorities regarding the same.

# Revenue Model

1. Model is based on subscription based purchasing.
2. Facilities will be available in 4 subscription packages based on use and concern which will be Nation wide deep analysis, Nation wide shallow analysis, state wise deep analysis, state wise shallow analysis and city wise analysis.
3. Charges for various packages depends on area and depth of analysis served.



# team illuminatis



Ananya Aprameya



Ayush Raj



• Bhawna Patnaik



Pavan Yadav



thank you.

