

Tweet Sentiment Analyser

User Manual

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ACKNOWLEDGEMENTS

- First of all I would like to give huge thanks for all who have helped you in this journey of App Development – my Parents, Mentors who were there every step of the way, guiding me, Dr. Ken Kahn, for providing me with this opportunity, and my Group Members, whom I was able to learn a lot from.

About Me..



- My name is Syed Hamza Raza. I am 19 years old, and currently in my first year of University, studying Computer Science.
- I am interested in AI as I feel it will be a very important tool for the future, and is a fast growing field with a lot of possibilities.
- Currently, I am planning to become a Computer Scientist. AI will help open many new possibilities and avenues for me. It is the future. I want to work on developing and improving its abilities, keeping it within ethical boundaries.
- I expect this Internship to prove extremely beneficial and vital in my journey to realize my dream. I feel like it will provide me with a sound base, and pave the way for many more opportunities in the future.

About My Internship Journey with Clevered..

- The Internship journey has been extremely rewarding thus far. I have been able to expand my knowledge, abilities and credibility.
- I have earned Rockstar Badges for my efforts.
- It is a great honor to get the opportunity to intern under Dr. Ken. I am very grateful for this opportunity, and want to make the most out of it. I am extremely excited to learn all about AI and put it to use in helping me reach my future goal and ambitions.

About App..

- Final Project Choice: Twitter Sentiment Analysis App
- I wanted to work on this project as I personally find this topic and the involved process of Data Analysis very interesting
- This project can serve as an efficient tool in Industry to identify and make predictions based on trends
- I incorporated the use of various libraries to create a frontend, and backend code for my project along with designing a simple and attractive User Interface

How do I use the App?

What my app does is perform sentiment analysis using TextBlob and nltk, to calculate sentiment percentages, and render a result with sentiment classification on the UI, made using tkinter

This process is initialised after the user inputs a tweet or a csv file in the text box on the UI and clicks the generate! button. The result is printed out in the Output box on the UI along with the probability

UPLOAD A CSV FILE

TWEET SENTIMENT ANALYSIS

WELCOME TO TWEET SENTIMENT ANALYZER
THIS APP ALLOWS YOU TO ANALYSE THE SENTIMENT OF A TWEET OR A CSV FILE!

UPLOAD A FILE!

UPLOAD A CSV FILE:
C:/Users/ACER/Des
BROWSE
GENERATE!
SENTIMENT IS:

PASTE A TWEET

ENTER TWEET:
GENERATE!
SENTIMENT IS:

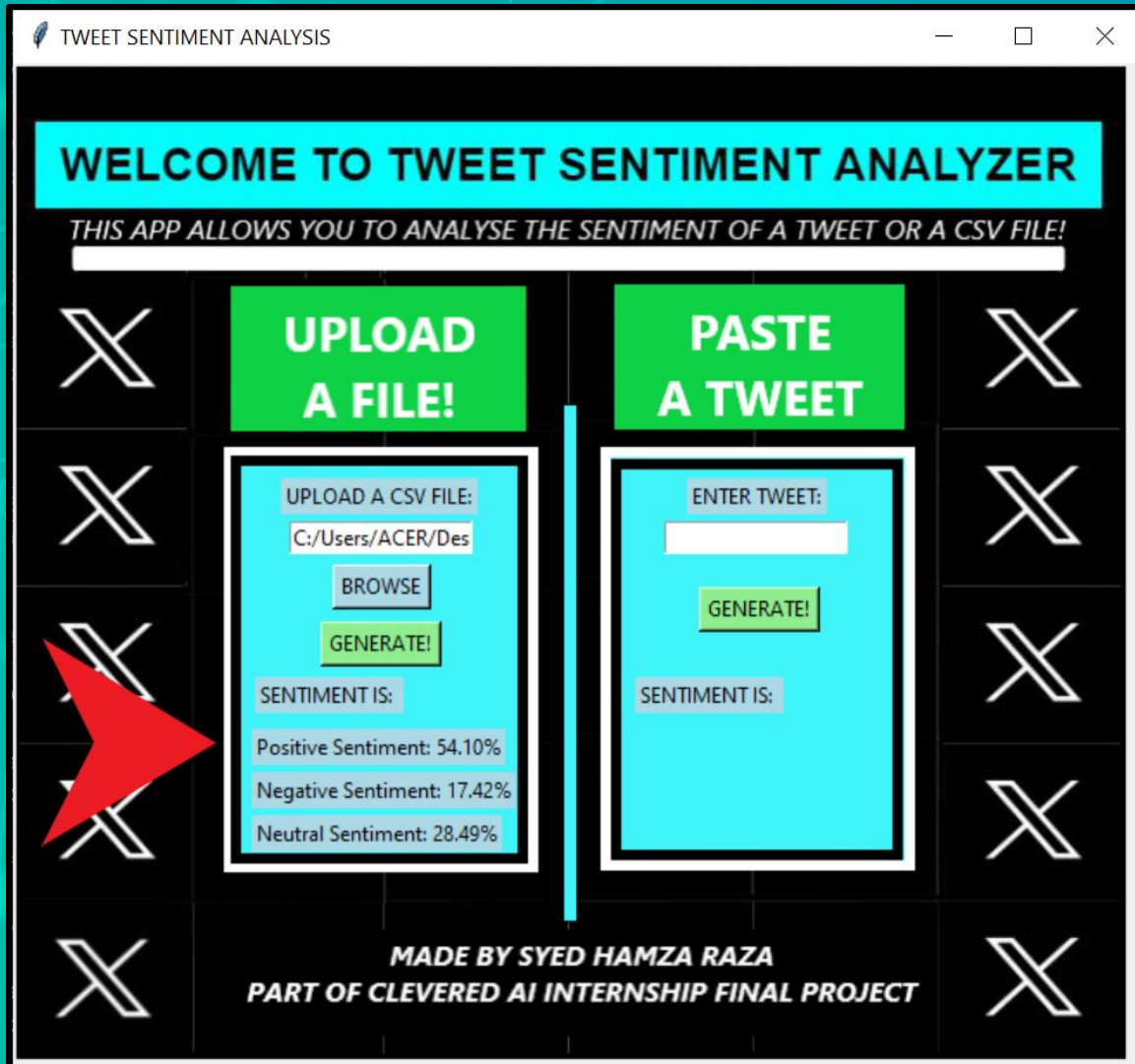
MADE BY SYED HAMZA RAZA
PART OF CLEVERED AI INTERNSHIP FINAL PROJECT

- Click on BROWSE
- Select a csv file from your file explorer
- Press Enter
- Alternatively, Paste your file path

-MAKE SURE YOUR FILE IS IN CSV FORMAT

-LANGUAGE MUST BE SUPPORTED BY nltk

ANALYSE CSV FILE



The screenshot shows a web application titled "TWEET SENTIMENT ANALYSIS". The main heading is "WELCOME TO TWEET SENTIMENT ANALYZER" with a subtitle "THIS APP ALLOWS YOU TO ANALYSE THE SENTIMENT OF A TWEET OR A CSV FILE!". The interface is divided into two main sections: "UPLOAD A FILE!" and "PASTE A TWEET". The "UPLOAD A FILE!" section includes a text input for "UPLOAD A CSV FILE:" with the value "C:/Users/ACER/Des", a "BROWSE" button, a "GENERATE!" button, and a "SENTIMENT IS:" label. Below this, the sentiment results are displayed: "Positive Sentiment: 54.10%", "Negative Sentiment: 17.42%", and "Neutral Sentiment: 28.49%". A red arrow points to the "GENERATE!" button in this section. The "PASTE A TWEET" section includes a text input for "ENTER TWEET:", a "GENERATE!" button, and a "SENTIMENT IS:" label. The footer text reads "MADE BY SYED HAMZA RAZA" and "PART OF CLEVERED AI INTERNSHIP FINAL PROJECT".

TWEET SENTIMENT ANALYSIS

WELCOME TO TWEET SENTIMENT ANALYZER

THIS APP ALLOWS YOU TO ANALYSE THE SENTIMENT OF A TWEET OR A CSV FILE!

UPLOAD A FILE!

UPLOAD A CSV FILE:
C:/Users/ACER/Des
BROWSE
GENERATE!

SENTIMENT IS:

Positive Sentiment: 54.10%
Negative Sentiment: 17.42%
Neutral Sentiment: 28.49%

PASTE A TWEET

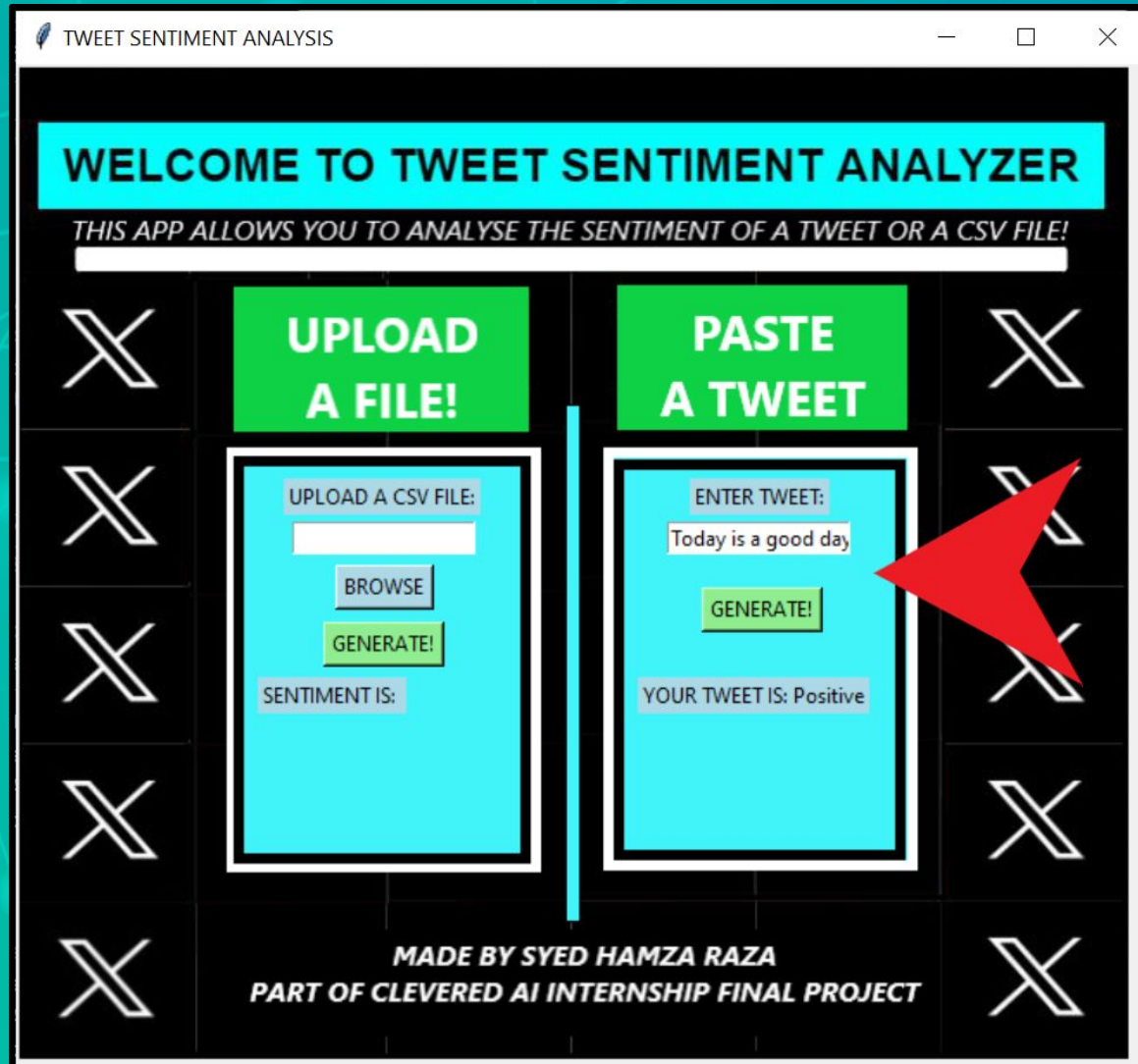
ENTER TWEET:
GENERATE!

SENTIMENT IS:

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- Click on **GENERATE!** Button
- View the Sentiment Classification along with percentage

PASTE AND ANALYSE A TWEET



The screenshot shows a web browser window titled "TWEET SENTIMENT ANALYSIS". The main heading is "WELCOME TO TWEET SENTIMENT ANALYZER" in a red box. Below it, a subtitle reads "THIS APP ALLOWS YOU TO ANALYSE THE SENTIMENT OF A TWEET OR A CSV FILE!". The interface is split into two columns. The left column is titled "UPLOAD A FILE!" in a red box and contains a text input for "UPLOAD A CSV FILE:", a "BROWSE" button, a "GENERATE!" button, and a label "SENTIMENT IS:". The right column is titled "PASTE A TWEET" in a red box and contains a text input for "ENTER TWEET:" with the text "Today is a good day", a "GENERATE!" button, and a label "YOUR TWEET IS: Positive". A large red arrow points from the "GENERATE!" button in the right column towards the text on the right. At the bottom, it says "MADE BY SYED HAMZA RAZA" and "PART OF CLEVERED AI INTERNSHIP FINAL PROJECT".

- Paste a tweet
- Click on **GENERATE!** Button
- View the Sentiment Classification

-NO PERCENTAGE AS IT IS ONLY ONE TWEET WITH AN OVERALL SENTIMENT

-LANGUAGE MUST BE SUPPORTED BY nltk

Demo Video

[https://www.youtube.com/watch?
v=G6NA0nM7CMU](https://www.youtube.com/watch?v=G6NA0nM7CMU)

Toolkit Walkthrough

Toolkit :

<https://docs.google.com/spreadsheets/d/1LRlCCVFKxsBdHWognCyC4BVaGjjZ7AML/edit?usp=sharing&ouid=116846328601754062654&rtpof=true&sd=true>

Contact

- Please feel free to reach out to Syed Hamza Raza at hamzaraza2004@gmail.com for any questions/ concerns/ suggestions on the App!

The background is a solid teal color. Overlaid on this is a network of white dots connected by thin white lines, creating a web-like pattern. The dots are of varying sizes and are distributed across the entire frame. The lines connect the dots in a non-uniform, organic manner.

Thank you!