

# SENTIMENT ANALYSIS WEB APP

(Built with Streamlit and TextBlob)

**TEAM NAME :** Sync3

**MEMBERS :** Aman Yadav

Tilak Sharma

Nisarg Pandya



# Problem Statement

With thousands of reviews and comments posted online daily, manually identifying their emotional tone is time-consuming.

There is a need for a quick and efficient tool that can automatically detect whether a text is positive, negative, or neutral. -



# What is Sentiment Analysis?

Sentiment analysis is the process of determining whether a piece of text expresses a positive, negative, or neutral sentiment.

Commonly used in:  
Product reviews  
Social media monitoring  
Customer feedback





# Tools & Libraries Used Python

**Streamlit** - To build the web app

**TextBlob** - For performing sentiment analysis

**Emojis** - To make the UI engaging



Streamlit

localhost:8502

## 🧠 Simple Sentiment Analysis App

Type anything below and instantly find out if it feels Positive, Negative, or Neutral!

Write your text here:

```
The results are often inaccurate and disappointing
```

Analyze Sentiment

Hmm... Your text feels Negative.

Sentiment Score: -0.60

This screenshot shows the Streamlit interface for a sentiment analysis application. The title is "Simple Sentiment Analysis App". It includes a text input field with placeholder text "Type anything below and instantly find out if it feels Positive, Negative, or Neutral!". Below the input is a button labeled "Analyze Sentiment". A dark gray text box displays the user's input: "The results are often inaccurate and disappointing". Below this box is a message: "Hmm... Your text feels Negative." in a brownish-red bar. At the bottom, a green bar shows the sentiment score: "Sentiment Score: -0.60".

Streamlit

localhost:8502

## 🧠 Simple Sentiment Analysis App

Type anything below and instantly find out if it feels Positive, Negative, or Neutral!

Write your text here:

```
I love how intuitive and easy the interface is to use.
```

Analyze Sentiment

Yay! Your text sounds Positive!

Sentiment Score: 0.47

This screenshot shows the Streamlit interface for a sentiment analysis application. The title is "Simple Sentiment Analysis App". It includes a text input field with placeholder text "Type anything below and instantly find out if it feels Positive, Negative, or Neutral!". Below the input is a button labeled "Analyze Sentiment". A dark gray text box displays the user's input: "I love how intuitive and easy the interface is to use.". Below this box is a message: "Yay! Your text sounds Positive!" in a green bar. At the bottom, a green bar shows the sentiment score: "Sentiment Score: 0.47".



# **ERROR & Future Improvements**

## -ERROR :

- If we twist/prompt engineer the input text, it can give inaccurate or may be wrong output.
- Only have 3 responds( positive, neutral , negative)

## -FUTURE IMPROVEMENT :

- Add more emotion(sad, happy, etc.)
- Visualize sentiments with charts
- Give Sentiments Using Voice

# THANK YOU

