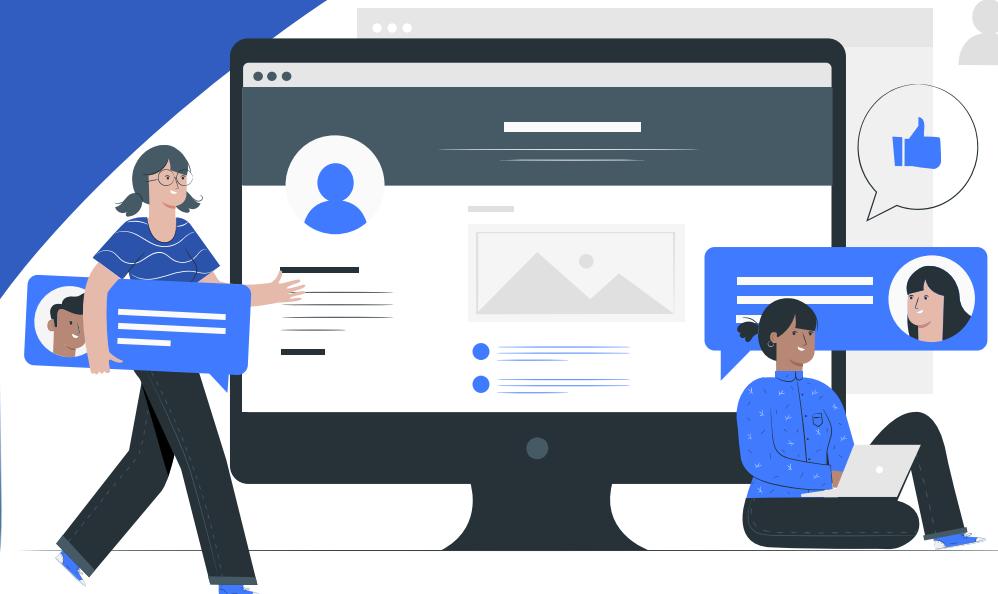


# Tweet Sentiment Extraction



# Tweet Sentiment Analyzer

## Overview:

- This project is a **Flask web application** that performs **sentiment analysis** on tweets. It allows users to:
- Upload a tweet dataset.
- Train various machine learning models (Logistic Regression, Naive Bayes, SVM, Random Forest).
- Predict sentiment of custom input text.
- View model performance and word clouds for positive and negative tweets.
- Save/load trained models.

# Tweet Sentiment Analysis

Analyze the sentiment of tweets using machine learning

## Dataset & Model

Upload Dataset (CSV)

Choose File No file chosen

Please upload the tweet dataset CSV file

Select Model

Logistic Regression

Train Model

Load Model

Save Model

## Analyze Text

Enter Text to Analyze

Enter tweet text here...

Analyze Sentiment



# Tweet Sentiment Analysis

Analyze the sentiment of tweets using machine learning

## Dataset & Model

Upload Dataset (CSV)

No file chosen

Please upload the tweet dataset CSV file

Select Model

Naive Bayes

## Training Results

Model: Naive Bayes

Training Accuracy:



Test Accuracy:



Training Time: 0.04 seconds

## Analyze Text

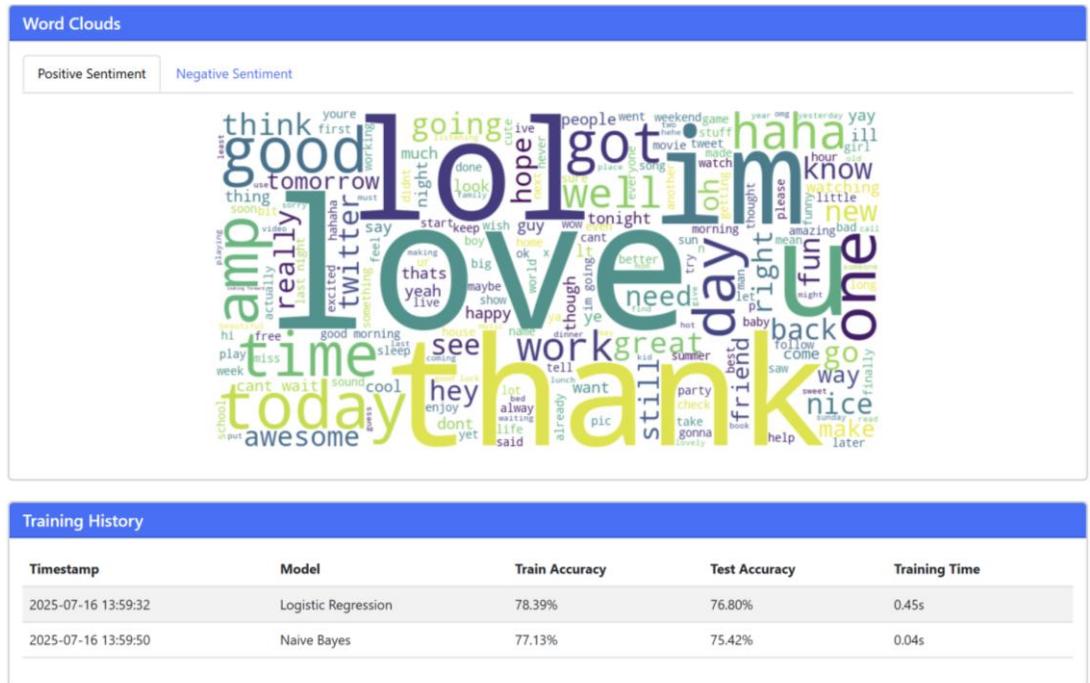
Enter Text to Analyze

Enter tweet text here...

Here where we can upload the  
chooseen dataset as a reference  
of tweets , select a model for  
training then apply on it



# Words cloud appears after training that shows sentiment



# Tweet test!

Analyze Text

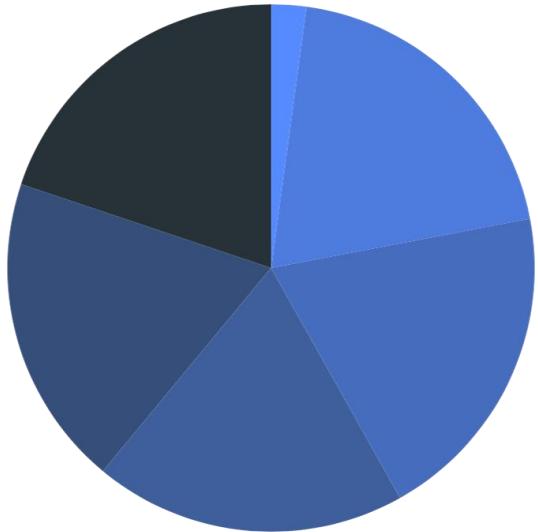
Enter Text to Analyze

Growth isn't always loud. Sometimes it's silent. It's choosing discipline over distraction. Focus over noise. Health over habits. It's deleting, distancing, and deciding—without applause. Keep building in silence. Your future self will thank you. 💪🌱 #GrowthMindset

Analyze Sentiment



# Graphs are used to show results



Analysis result can change based on the selected model , # are taken into considerations

Analyze Text

Enter Text to Analyze

Growth isn't always loud. Sometimes it's silent. It's choosing discipline over distraction. Focus over noise. Health over habits. It's deleting, distancing, and deciding—without applause. Keep building in silence. Your future self will thank you. 🌟 #GrowthMindset

Analyze Sentiment

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Analysis Result

Sentiment: POSITIVE

Confidence: 61.18%

Cleaned Text:

growth isn't always loud sometimes it's silent it's choosing discipline distraction focus noise health habit it's deleting distancing deciding—without applause keep building silence future self thank 🌟 growthmindset

Positive 61.2%      Negative 38.8%

# Thanks

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