**Twitter Sentiment Analysis Using Machine Learning**

* Making a Web Application.
* Using Python Flask (Flask is a small and lightweight Python web framework that provides useful tools and features that make creating **Web applications** in Python easier).
* Using Algorithm Naïve Bayes ML Algorithm.
* Using Tweepy library (Tweepy is an open source Python package that gives you a very convenient way to access the Twitter API with Python).
* Using HTML and CSS for the static web page and styling.
* VS Code (IDE) for implementing the project.
* Twitter Developers Account.

**Application Performs Two tasks:**

1. **Phrase Level Sentiment Analysis :**

Search for all tweets containing the given phrase and determining each tweet’s sentiment.

1. **Sentence Level Sentiment Analysis :**

When we gives a message, decide whether the message is of Positive, Negative or Neutral Sentiment.

**Necessary Requisites :**

* Make sure you have Python 3.6 or > installed.
* Install all the necessary libraries
* Tweepy - pip install tweepy
* Textblob - pip install textbolb
* Flask - pip install flask
* Make sure you must have a Twitter Developers Account.
* Make sure you have all necessary keys ( In Twitter Developers Account).
* consumer\_key :

mSmiAzUR2XT4KpYccS08hHFvm

* consumer\_secret :

R8dREd4HyxY6flL3OOHktuEfkTAXj66HZ5QGWGUsmoKfcaNhND

* access\_token :

405461195-HdMbZqc7YmMP5yTMG5rix5nrahxGP72WG9VjF6w1

* access\_token\_secret :

9Zl6g93TtRvH3voFlOd6pbDwFGZ5A7YLDJnogrkm1O0NT

* Open the project on any IDE( I used VS code)