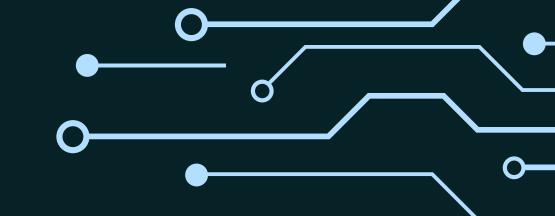


Meet Our Team



Vishnu Institute Of Technology



Duvvu Suribabu III-IT



Shaik Moinuddin III-CSE

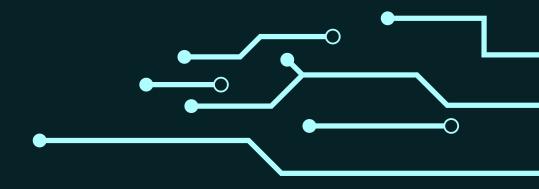


Gunturu Dharaneesh III-IT





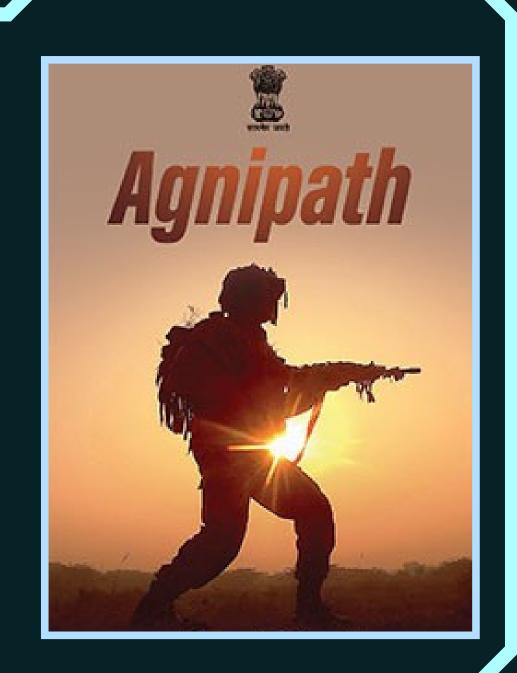
Build a pipeline that extracts the social media posts on a specified topic, performs data cleaning, identifies the sentiment, and summarises the public opinion on the topic.



Theme

#agnipath - Recent Indian government initiative

- Recently Agnipath was the most controversial scheme which was proposed by our indian government for Indian army recruitment.
- Most of the people who were willing to join in the indian army raised their voice through social media platforms like Twitter, Facebook etc.
- By using hashtags like #Agnipath and #agniveer, made it as a trending topic around the twitter.







Gathering Data Set



Importing Libraries







Predictions



Different Models



EDA & Handiling Unbalanced Data

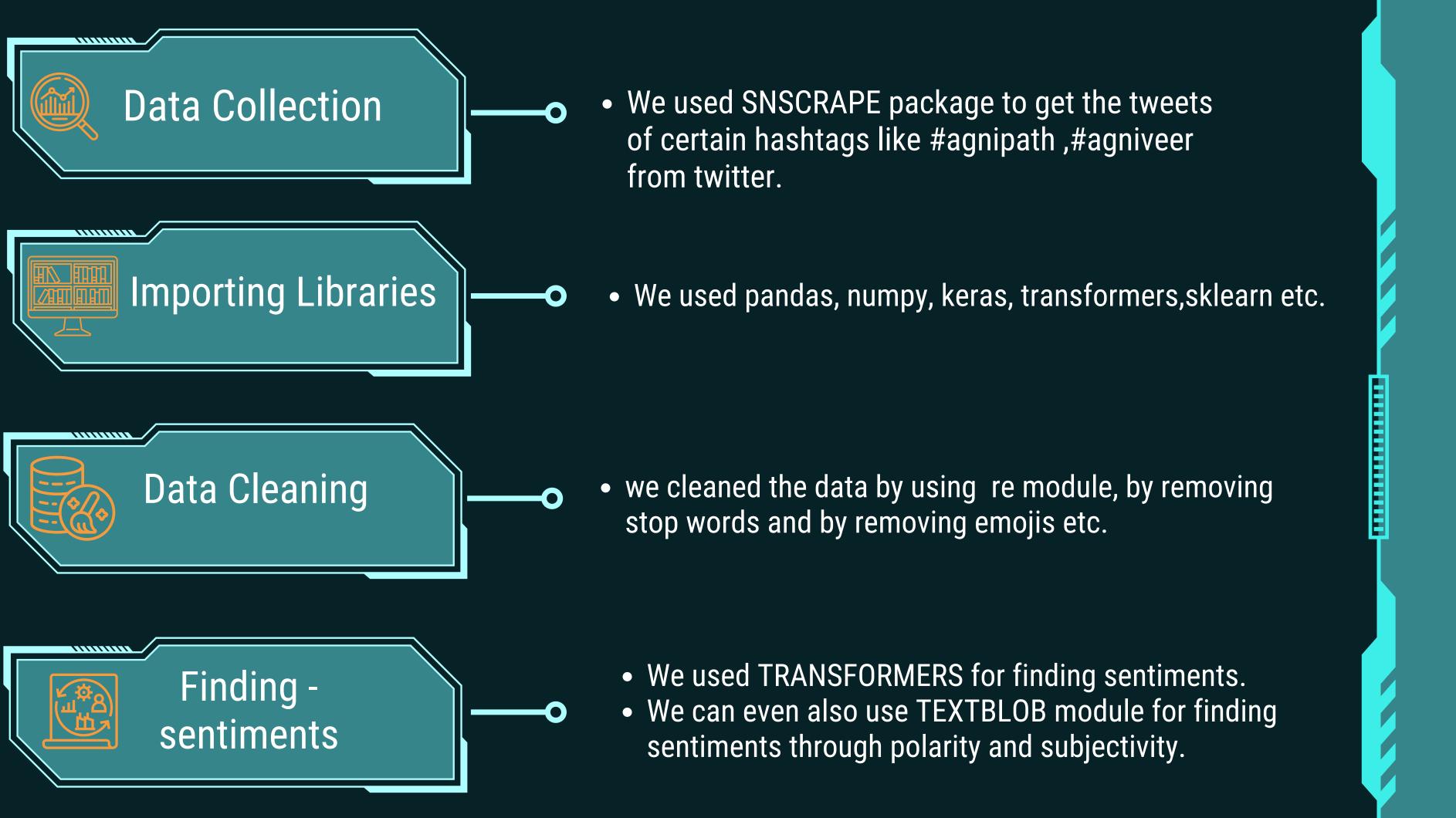












 We performed EDA on the data through which we found that our data is unbalanced. Exploratory Data

Analysis

• we used RandomOverSampling to make unbalaned data into balanced data. We also used text augmentation to do the same.

Handiling Unbalancd Data



 We did Sentiment Analysis using Bag of Words Vectorization model and BERT models. Models

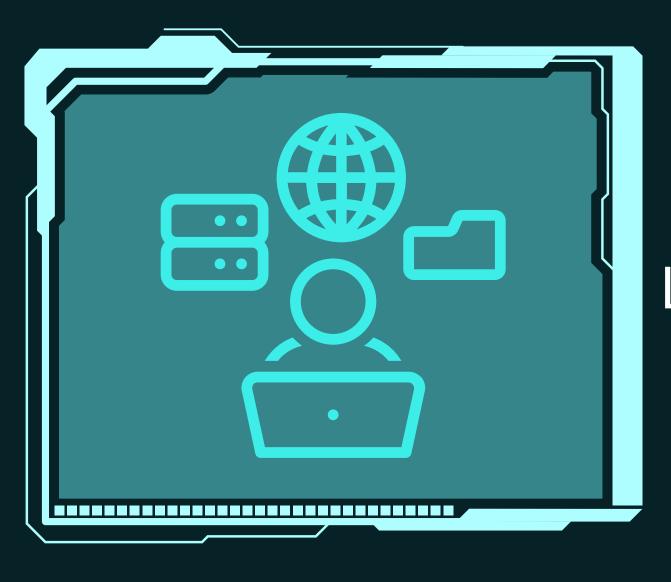
• BERT model is comparatively better



TECHNICAL ARCHITECTURE



Accuracies of various models



MNB

66%

Logistic Regression

81%

BERT

91%

CONCLUSION

Github Repo:

https://github.com/duvvusuribabu/Sentiment-analysis



