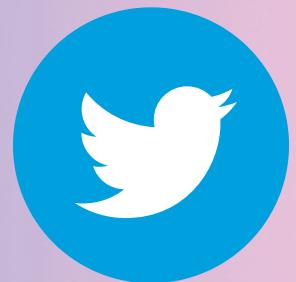




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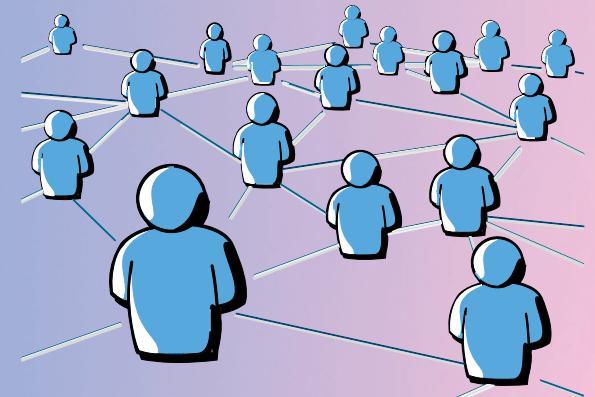
# SCHMALTZ SURVEYOR



Machine Learning Project demonstrating Live Sentiment Analysis of Twitter



SOCIAL MEDIA



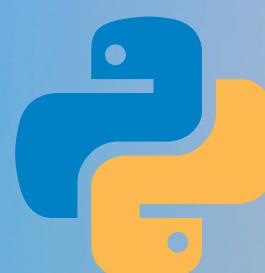
Classifier  
Analysis

Web  
Application

- Literature Survey
- Train and Test Dataset
- Cleaning the Data
- Visualizing based on Labels
- Analysis of various Classifiers
- Determining their Efficiency
- Figuring out their Accuracy
- Exporting the best model (RF)

- Designing the Web Application
- Fetching Tweets directly from Twitter
- Data Preprocessing
- Utilizing NLP API
- Developing Flask Application
- Providing a clean UI for the user
- Option for no of tweets to fetch
- Displaying the Sentiment expressed

Support Vector Machine | Random Forest.  
Logistic Regression | k Nearest Neighbours  
TPTN | Confusion Matrix | NLP | Pickle | NLTK  
Word Cloud | Scikit Learn | Tweepy | NumPy



Project Guide :

Mrs. Nandini BM (Assistant Professor)

Team Members:

Nithyashree A (4NI19IS058)

Pradyoth P (4NI19IS062)

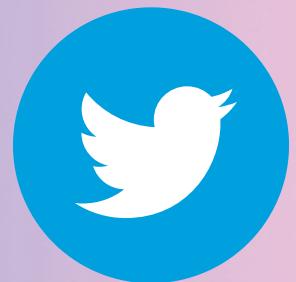
Tejasvini SJ (4NI19IS106)





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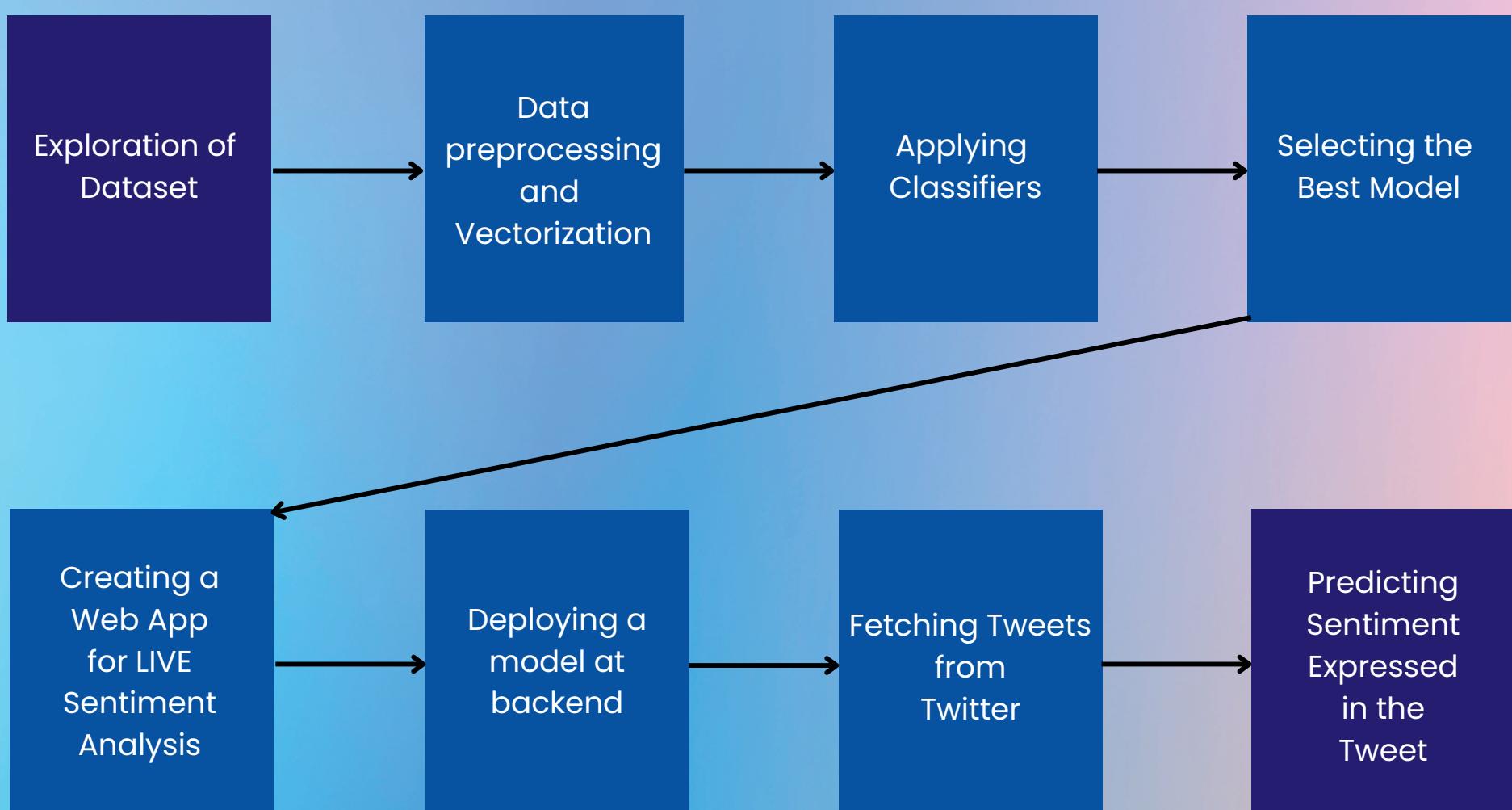


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## Accuracy of the Classifiers used

Logistic Regression : 95.38% | Support Vector Machine : 94.50%  
K Nearest Neighbours : 93.69% | Random Forest : 95.60%

## Project Design



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