

FAKE NEWS DETECTION





TEAM MEMBERS

S.R.Sri Nithsh

- 21MIP10027

Rakesh Pinnekalli

- 21MIP10015

Ashish Patel

- 21MIP10036

Jatin Kushwaha

- 21MIP10025

Devendara Thakur

- 21MIP10001

GUIDE

Dr.Pon Harshavardhan



INTRODUCTION

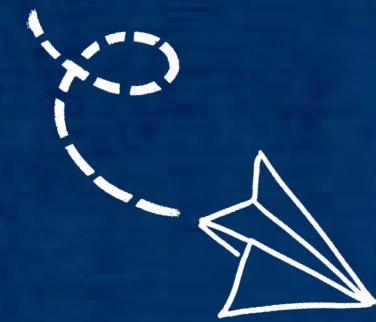
Internet is one of the important inventions and a large number of persons are its users. There are different social media platforms that are accessible to these users. Any user can make a post or spread the news through these online platforms. These platforms do not verify the users or their posts. So some of the users try to spread fake news through these platforms. A human being is unable to detect all these fake news. So there is a need for machine learning classifiers that can detect these fake news automatically.

There are different online platforms where the person can spread the fake news. This includes the Facebook, Twitter etc. Machine learning is the part of artificial intelligence that helps in making the systems that can learn and perform different actions. A variety of machine learning algorithms are available that include the supervised, unsupervised, reinforcement machine learning algorithms. Readers read the news and start believing it without its verification. Detecting the fake news is a big challenge because it is not an easy task



OBJECTIVES

Increasing use of internet has made it easy to spread the false news. Different social media platforms can be used to spread fake news to a number of persons. The question arises here how to control fake news because a person cannot control the fake news. The answer is machine learning. Machine learning can help in detecting the fake news . Through the use of machine learning these fake news can be detected easily and automatically. Once someone will post the fake news, machine learning algorithms will check the contents of the post and will detect it as a fake news



LITERATURE REVIEW

- THIS APPROACH FOCUSES ON THE USE OF LITERATURE BY A HUMAN OR SOFTWARE PROGRAM TO DETECT FAKE NEWS.
- MOST OF THE PEOPLE RESPONSIBLE FOR THE SPREAD OF FAKE NEWS HAVE CONTROL OVER WHAT THEIR STORY IS ABOUT.
- BUT, THEY CAN OFTEN BE EXPOSED THROUGH THE STYLE OF THEIR LANGUAGE ALL THE WORDS IN A SENTENCE AND LETTERS IN A WORD, HOW THEY ARE STRUCTURED AND HOW IT FITS TOGETHER IN A PARAGRAPH
- THE FOCUS IS THEREFORE ON GRAMMAR AND SYNTAX.



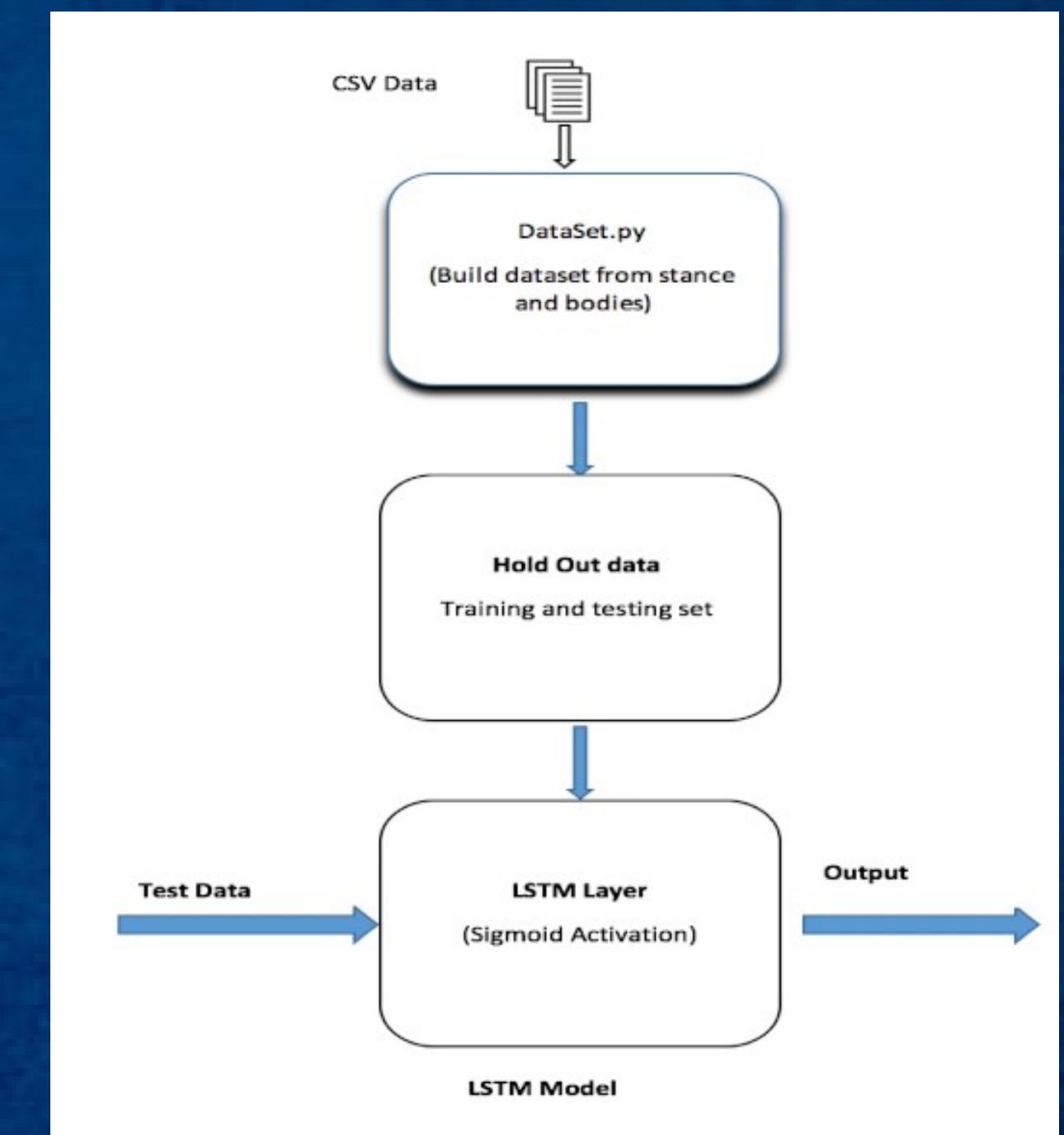
PROPOSED WORK

- The basic idea of our project is to build a model that can predict the credibility of real time news events. The proposed framework consists of four major steps: Data collection, Data preprocessing, Classification and Analysis of results.
- We first take key phrases of the news event as an input that the individual need to authenticate.
- After that live data is collected from Twitter Streaming API. The filtered data is stored in the database.
- The data preprocessing unit is responsible for preparing a data for further processing. Classification will be based on various news features, twitter reviews like Sentiment Score, Number of Tweets ,Number of followers ,Number of hashtags, is verified User, Number of retweets and NLP techniques.

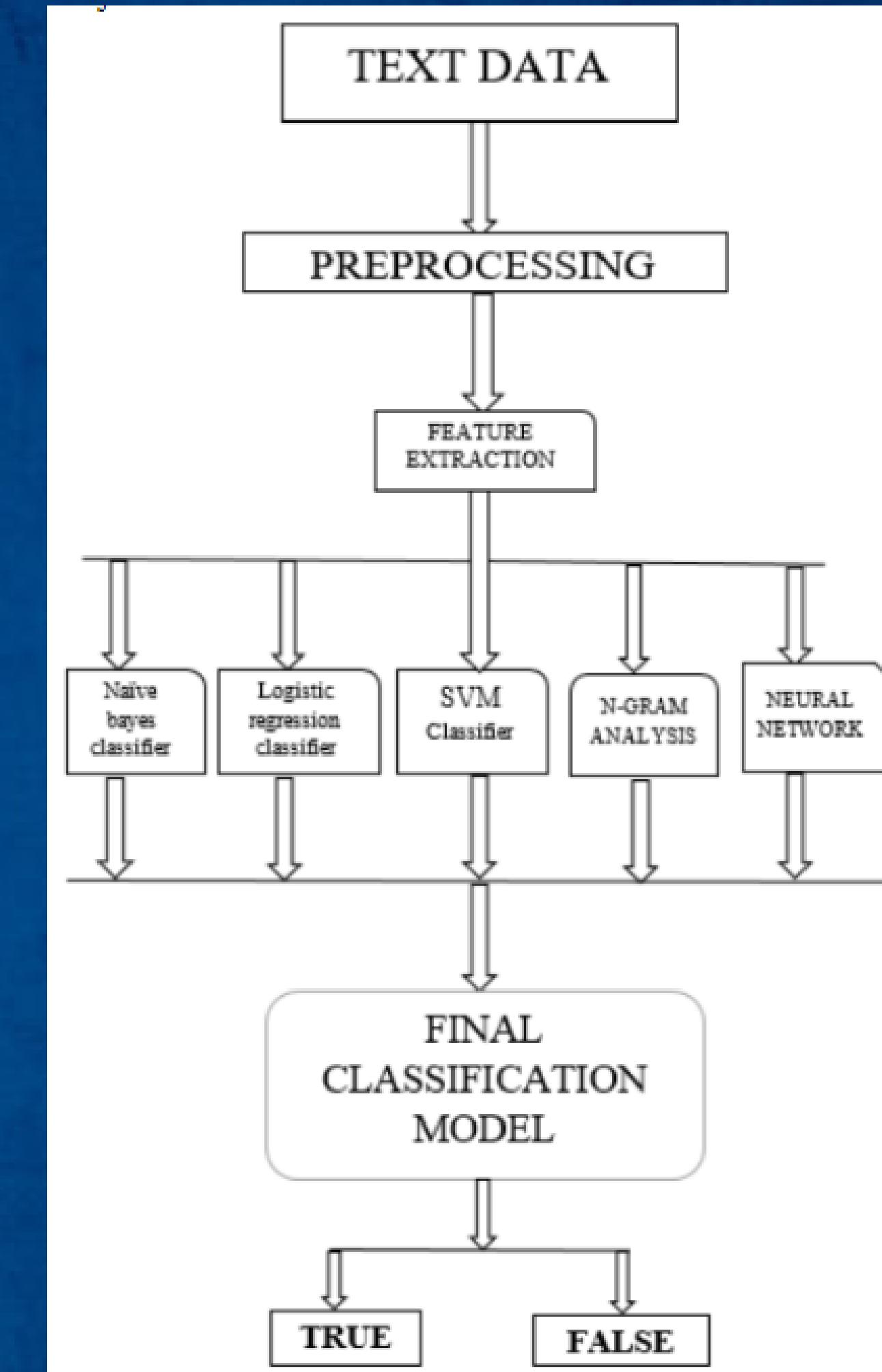
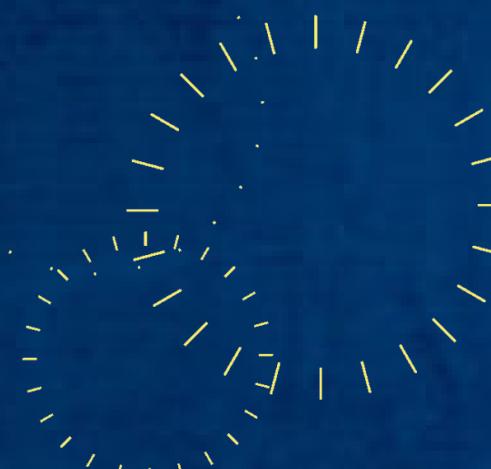
HARDWARE AND SOFTWARE REQUIREMENTS



ARCHITECTURE DIAGRAM



TIME LINE



REFERENCES

- ieee xplore
<https://ieeexplore.ieee.org/document/9178321>
- Arxiv.org
<https://arxiv.org/pdf/2102.04458>

thank
you!

