PROJECT EXHIBITION 1

DSN2098

REVIEW - 1

FAKE NEWS DETECTOR

Meet Our Team

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PROJECT GUIDE

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PROBLEM STATEMENT

- Misinformation and disinformation spread in media is becoming a serious social challenge. It is leading to the poisonous atmosphere on the web and causing riots and lynchings on the road.
- fake articles had outrageous headlines that were meant to attract the greatest amount of engagement from users, as well as pretending to be legitimate to gain credibility — at least at first glance. This led to exponential engagement to millions of users through mindless sharing on social media such as Facebook.

Fake News Damages: Popular Examples from India

- GPS tracking nanochip in 2000 Rupee notes (Nov 2016)
- Muzzafarnagar riots of 2013: fake video fuelled communal passions
- UNESCO has declared ‘Jana Gana Mana’ best national anthem in the world (WhatsApp)

A solution to these problems we use automated fake news detection software.

Objective

The basic objective of this work is to create a system or model that can use the data of past news reports and predict the chances of a news report being fake or not.

This will be done with the concepts of natural language processing and machine learning.

Machine learning classifiers are used for this purposes and are also used for detecting fake news. The classifiers are first trained with a data set called training data set. After that, these classifiers can automatically detect fake news when ever needed.

Scope

Fake news is categorized as any kind of cooked-up story with an intention to deceive or to mislead. In this project we are trying to present the solution for fake news detection task by using Machine Learning techniques. Many events have resulted to a rise in the prominence and spread of phony news.

The widespread impacts of the massive onset of fake news can be seen, humans are conflicting if not outright poor detectors of fake news.

The scope of this project is to build a model that help us to recognize the language patterns that can be used to classify fake and real news with the help of ML (machine learning) techniques.

Python

PyCharm

Streamlit

TECH STACK

Following are languages and framework which will help us in building our project

Tensorflow

Hugging Face

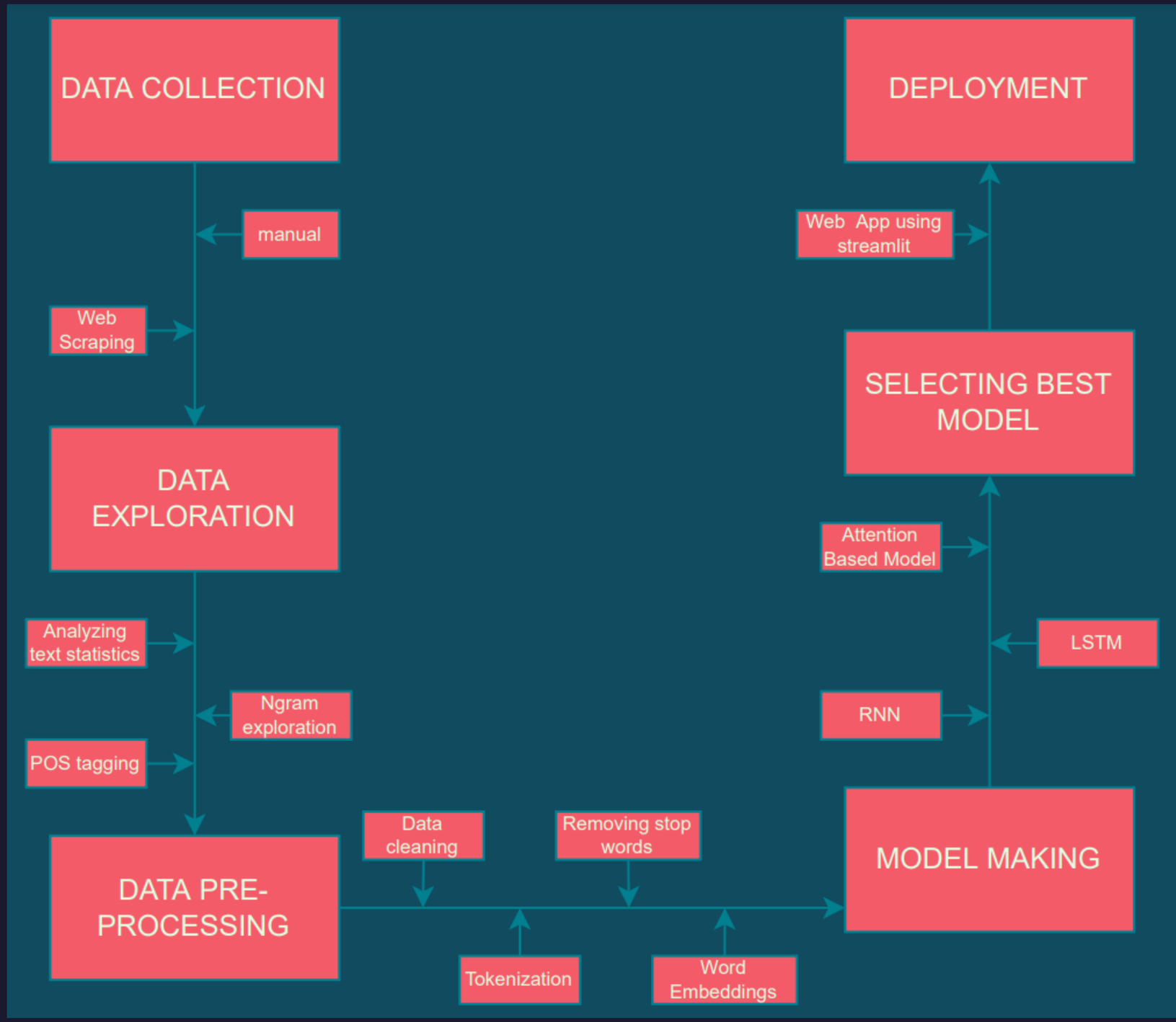
Jupyter Notebook

TECH STACK

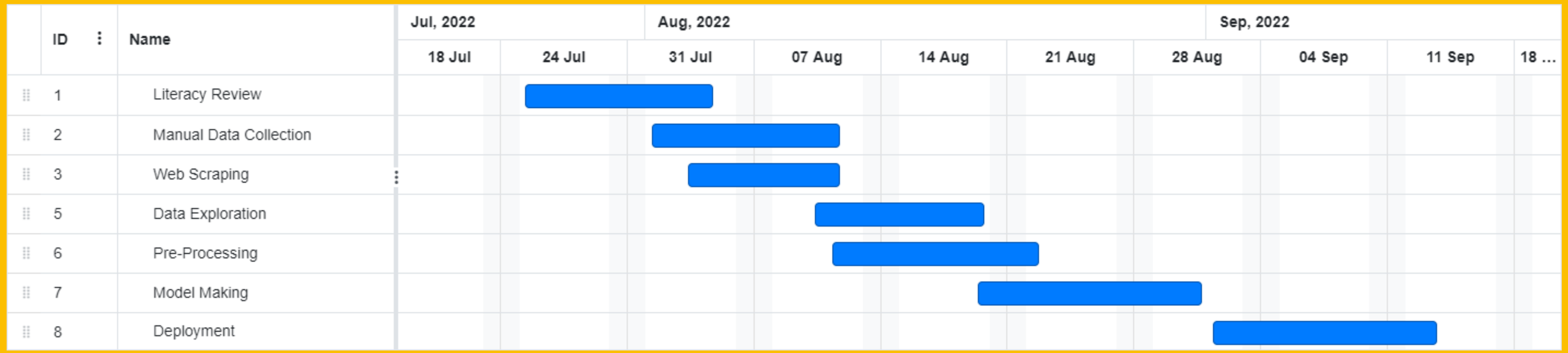
Following are languages and framework which will help us in building our project

ARCHITECTURE & OVERVIEW

PROPOSED SYSTEM METHODOLOGY



PROJECT TIMELINE (Gantt Chart)



CONCLUSION

Manual classification of news articles requires in-depth knowledge and expertise in identifying anomalies in the text. It takes a lot of time to verify a single article manually that’s why we discussed the use of mahcine learning an deep learning models(Natural Language Processing) to classify fake news articles.

It is important that we have a mechanism to detect fake news, or at least an awareness that not everything we read on social media may be true. That is why we always have to think critically. This way, we can help the people to make more informed decisions, and they won't be led to think about what others are trying to manipulate them into believing.