Fake News

Cs-sec6

Fact ? OR Fake ?

Abstract :

The advent of the World Wide Web and the rapid adoption of social media platforms (such as Facebook and Twitter) paved the way for information dissemination that has never been witnessed in the human history before. With the current usage of social media platforms, consumers are creating and sharing more information than ever before, some of which are misleading with no relevance to reality. Even an expert in a particular domain has to explore multiple aspects before giving a verdict on the truthfulness of an article.

Problem:

The proliferation of fake news on social media and Internet is deceiving people to an extent which needs to be stopped.

Goals :

Using machine learning and NLP to distinguish between fake and real content and develop a reliable model that
classifies a given news article as either fake or true.

Introduction :

Fake news has been around for decades and is not a new concept. However, the dawn of the social media age has aggravated the generation and circulation of fake news many folds. Fake news can be simply explained as a piece of article which is usually written for economic, personal or political gains.
Many scientists believe that fake news issue may be addressed by means of machine learning and artificial intelligence . Detection of such unrealistic news articles is possible by using various NLP techniques, Machine learning, and Artificial intelligence.
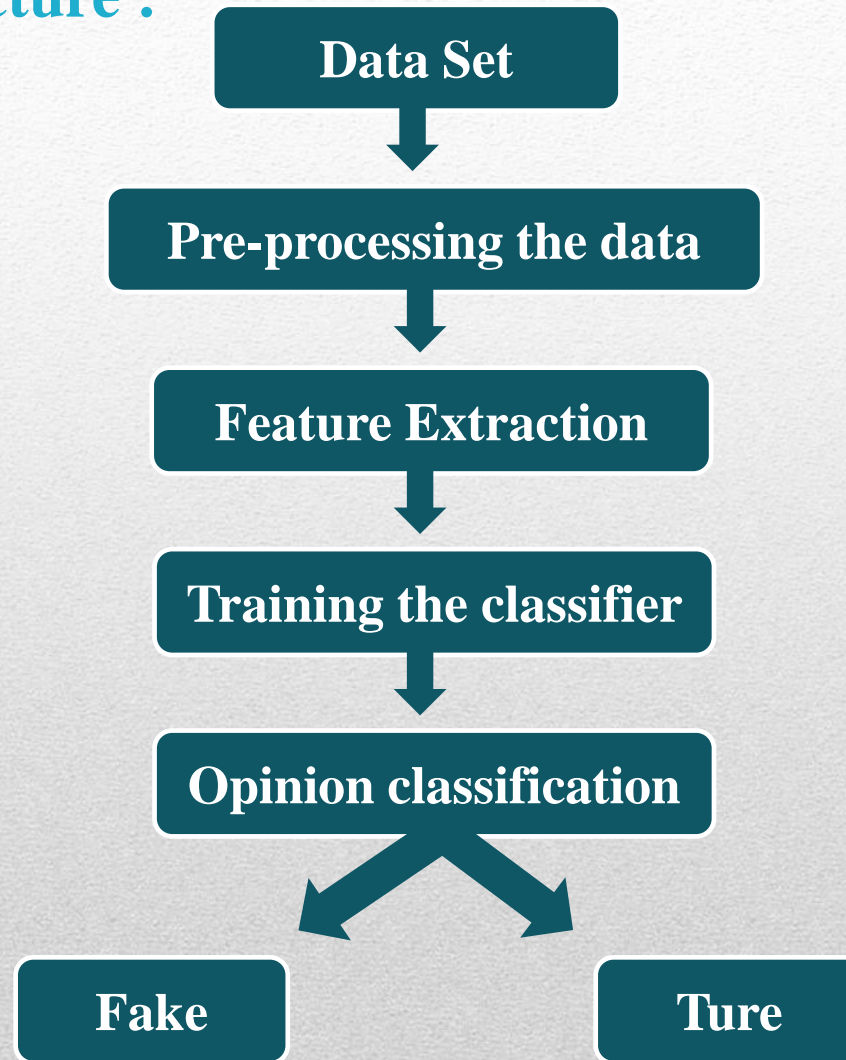
Global problem:

Where examples of these sites can be found in Ukraine, USA, Germany, China and many other countries, this fake news is a global issue as well as a global challenge.

System Architecture :

Expected output :

The model must efficiently distinguish between true news and fake news with maximum accuracy.

Conclusion :

In the 21st century, the majority of the tasks are done online. Newspapers who were earlier preferred as hard-copies are now being substituted by applications like Facebook, Twitter, and news articles to be read online.The growing problem of fake news only makes things more complicated and tries to change or hamper the opinion and attitude of people towards use of digital technology.Our systems take input from a URL or an existing database and classify it to be true or fake.
To implement this, various NLP and Machine Learning Techniques have to be used.

Thanks