**Detection of Fake News**

* What is Fake News?

A type of yellow journalism, fake news encapsulates pieces of news that may be harmful and is generally spread through social media and other online media. This is often done to further or impose certain ideas and is often achieved with political agendas. Such news items may contain false and/or exaggerated claims, and may end up being viralized by algorithms, and users may end up in a filter bubble. Such kind of news may also lead users to get into fraud or scam. Making a wrong image about a certain kind of thing or person.

* Implementation

This project is basically of detecting news dealing with fake and real news. Using sklearn, I have built a TfidfVectorizer on the dataset. Then, I have initialized a PassiveAggressive Classifier and fit the model. In the end, the accuracy score and the confusion matrix tell us how well our model fares. Then the output is displayed giving us the numbers of Fake and Real news.

* Dataset used

News.csv

* Python Libraries used

1. Numpy
2. Pandas
3. Scikit Learn