Project Methodology

Predicting anything is always very interesting, Machine learning helps us very much in this sector, it can easily generate values of future with the help of many approaches. For our project, we did find stocks data from all available online and offline sources. The dataset we'll use for this python project- we'll call it news.csv. This dataset has a shape of 7796×4. The first column identifies the news, the second and third are the title and text, and the fourth column has labels denoting whether the news is REAL or FAKE. Further we will divide the data into two parts, training data and testing data, where 80 percent of the data will be used for training and 20 percent of the data will be used for testing.
 We are thinking to solve the problem using below supervised learning techniques to build our model:

 Using sklearn, we build a TfidfVectorizer on our dataset. Then, we initialize a Passive Aggressive Classifier and fit the model. In the end, the accuracy score and the confusion matrix tell us how well our model fares.

To solve the problem, we will follow below steps –

1. Using dataset or We can import data from web of any duration time.

2. Provide the data to the system.

3. Train the system.

4. System will predict the output.

Flow Chart is given below:

Flow Chart: