

ABSTRACT

The project titled “News Recommendation System” is a recommendation system is to help users to find news articles that are interesting to read. This system will automatically analyze drawn-out articles and establish similar articles for readers considering predefined criteria.

Here we are introducing a News Recommendation engine which fulfill the gap of existing system. In this era of internet, we've got a large quantity of news overloaded over Internet. It becomes a herculean task for the user to induce the relevant news. To some extent, the matter is being resolved by the existing system, however they are doing not give the personalization of news articles. By implementing content Based approach and performing similarity techniques we are overcoming the issues in the existed system. So, here we are proposing a news recommender engine by using machine learning technique in python to suggests news articles in a personalized way. Finally we can integrate our system in to the facebook messenger bot.

The system is built using the news category dataset from kaggle. This dataset contains around 200k news headlines from the year 2012 to 2018 obtained from HuffPost. The methodologies which will be used in this project are content based filtering by performing tf*idf vectorization mechanism and cosine similarity in matrix factorization. Our top recommended news articles are showed in the facebook messenger bot after the integration of the system. By clicking each news articles the user can read that particular news.

