News Tracker Application

Introduction

One of the main ways to learn about the things that are happening around you is through the news. It could be an upcoming event, one that has already occurred, or one that has already in the future take place. In the present, when development and technology are growing quickly, it's important to create technology that is adaptable to any demographic of people news that is tied to the most recent technical advances.

We frequently feel that we need more than 24 hours a day to do everything on our calendar because our lives are so hectic these days. That's not realistic, but you can cut down on the time by reading the news differently than you usually do. Simply let us know what market news you're interested in to receive a daily sneak glance. Save time by reading only the content you choose to be pertinent. With the aid of this software, you may search for all available data on indices, commodities, currencies, future rates, bonds, etc., just as on reputable websites.

Literature survey

Here, we'll examine every prior approach, attempt, and implementation for the news tracker application—or anything even somewhat associated with it**.**

Existing Solutions

A well-liked website for reading recent and continuing news is News Break. The website gathers news from numerous sources and delivers it to visitors in an appealing way so they can read it.

Additionally, the website allows users to join up, record their progress, manage their profiles, track the number of news articles they've read, save articles, leave comments on news headlines, and more.

S.NO	Paper Title	Author(s)	Month /Year	Method/Implementation technique(s)	Resource Link
1	investigating mobile news reading interactions to customize news apps	Marios Constantinides, John Dowell, David Johson, Sylvain Malacria	August, 2015	1. Identification of news reader types 2. Interaction logging and classification study 3. Deployment and data collection 4. Predicting News reader types 5. Adaptive UI	https://www.researchgate.net/publication/299870645_Exploring_mobile_news_reading_interactions_for_news_app_personalisation
2	Tracking and Detection in News Articles	Sagar Patel, Sanket Suthar, Sandip Patel, Neha Patel	March, 2015	1. Pre_processing 2. Tokenization 3. Stemming/Lemmization 4. Vector Space Model 5. Topic tracking	https://www.researchgate.net/publication/315657099_Topic_Detection_and_Tracking_in_News_Articles
3	Following the Fed with a News Tracker	Michael William McCracken	January, 2012	The paper is not technical paper but is essentially a statistical paper on how should one conclude whether the data have come in stronger, weaker or as expected. This is based on the Citi Group U.S Economic Surprise Index.	https://www.researchgate.net/publication/227438253_Following_the_Fed_with_a_News_Tracker

4	The End-to-End Framework for Weakly Supervised News Aggregation	Xijin Tang, Xiaohui Huang	June, 2022	The framework combines Snorkel_based weakly_supervised classification, Latent Dirichlet Allocation (LDA) topic modeling, and topic signal detection model to classify and aggregate unlabeled news texts and ultimately generate visualized results containing news categories, news topics, and temporal topic relationships. This paper uses constructed knowledge thesaurus and the Snorkel method to weakly supervise the classification of unlabeled news with no manual tagging. Subsequently, we utilize LDA to generate the topics and obtain the signal value of each topic based on the topic signal detection function. Finally, we establish the temporal topic relationships and get the visualized results of news aggregation.	https://www.researchgate.net/publication/361087328_An_End-to-end_Weakly-supervised_News_Aggregation_Framework