News Tracker Application

# Introduction

News is one of the primary source of gaining information about the actions and events that happen all around. It may be an event that happened in the past, happening now or going to happen in the future. In the present days where there is a rapid increase in the development and adaptability of technologies throughout all the demographic of people, it is necessary to provide news in such a way that it is interconnected with the current technological trends.

As our lives are very busy these days, we often feel we need more than 24 hrs. a day to cope up with everything we have in our schedule. Well, that's not possible but reducing the time by changing the conventional method of reading news can help. Just tell us what market news you're interested in and get a quick peek for the day. Only read what you feel is relevant and save your time. This app helps you to query for all information about Indices, Commodities, Currencies, Future Rates, Bonds, etc.… as on oﬃcial websites.

# Literature survey

Here, we will take a look at all the previous solutions, attempts and implementations to the news tracker application or anything that is atleast vaguely related to it.

***Existing Solutions***

[NewsBreak](https://www.newsbreak.com/) is a popular website to read ongoing and past news via the internet browsers. The website works by aggregating news from various sources and presents them in a likeable manner for the users to read it.

The website also offers the ability for users to sign up to the so said website and record their progress, manage proﬁles, no.of news read, bookmark news, commenting on news ends and so on.

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| S.No | **Paper Title** | **Author(s)** | **Month**  **/Year** | **Method/Implementa**  **tion technique(s)** | **Resource Link** |
| 1 | Exploring mobile news reading interactions for news app personalisation | Marios Constantinide s, John Dowell, David Johson, Sylvain Malacria | Augus t, 2015 | 1. Identiﬁcation   of news reader types   1. Interaction logging and classiﬁcation study 2. Deployment and data collection 3. Predicting News reader types 4. Adaptive UI | [(PDF) Exploring](https://www.researchgate.net/publication/299870645_Exploring_mobile_news_reading_interactions_for_news_app_personalisation)  [m obile news reading](https://www.researchgate.net/publication/299870645_Exploring_mobile_news_reading_interactions_for_news_app_personalisation)  [interactions for news](https://www.researchgate.net/publication/299870645_Exploring_mobile_news_reading_interactions_for_news_app_personalisation) [a pp personalisation](https://www.researchgate.net/publication/299870645_Exploring_mobile_news_reading_interactions_for_news_app_personalisation) [(researchgate.net)](https://www.researchgate.net/publication/299870645_Exploring_mobile_news_reading_interactions_for_news_app_personalisation) |
| 2 | Detection and Tracking in News Articles | Sagar Patel, Sanket Suthar, Sandip Patel, Neha Patel | March,  2015 | 1. Pre-   processing   1. Tokenization 2. Stemming/L emmization 3. Vector Space Model 4. Topic   tracking | [(PDF) Topic Detection](https://www.researchgate.net/publication/315657099_Topic_Detection_and_Tracking_in_News_Articles) [a nd Tracking in News](https://www.researchgate.net/publication/315657099_Topic_Detection_and_Tracking_in_News_Articles)  [Articles](https://www.researchgate.net/publication/315657099_Topic_Detection_and_Tracking_in_News_Articles) [(researchgate.net)](https://www.researchgate.net/publication/315657099_Topic_Detection_and_Tracking_in_News_Articles) |
| 3 | Following the Fed with a News Tracker | Michael William McCracken | Januar y, 2012 | The paper is  not a 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 CitiGroup U.S Economic Surprise Index. | [(PDF) Following the](https://www.researchgate.net/publication/227438253_Following_the_Fed_with_a_News_Tracker)  [Fed with a News](https://www.researchgate.net/publication/227438253_Following_the_Fed_with_a_News_Tracker)  [Tracker](https://www.researchgate.net/publication/227438253_Following_the_Fed_with_a_News_Tracker) [(researchgate.net)](https://www.researchgate.net/publication/227438253_Following_the_Fed_with_a_News_Tracker) |

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| 4 | An End-to-end Weakly- supervised News Aggregation Framework | 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. | [A n End-to-end Weakly-](https://www.researchgate.net/publication/361087328_An_End-to-end_Weakly-supervised_News_Aggregation_Framework) [s upervised News](https://www.researchgate.net/publication/361087328_An_End-to-end_Weakly-supervised_News_Aggregation_Framework)  [A ggr egation](https://www.researchgate.net/publication/361087328_An_End-to-end_Weakly-supervised_News_Aggregation_Framework)  [F ramework | Request](https://www.researchgate.net/publication/361087328_An_End-to-end_Weakly-supervised_News_Aggregation_Framework)  [PDF](https://www.researchgate.net/publication/361087328_An_End-to-end_Weakly-supervised_News_Aggregation_Framework)  [(researchgate.net)](https://www.researchgate.net/publication/361087328_An_End-to-end_Weakly-supervised_News_Aggregation_Framework) |