

News Aggregator Website – A Website That Fetches News Articles Using Web Scraping

The **News Aggregator Website** is an automated web application that **collects, categorizes, and displays news articles** from various sources using **web scraping and APIs**. This project aims to provide users with **real-time, personalized news updates** based on their interests.

Key features of the platform include **news categorization (politics, technology, business, sports, entertainment, etc.)**, **AI-based article recommendations**, **trending news analysis**, and **user-customizable dashboards**. The system will fetch news articles using **web scraping techniques with BeautifulSoup/Scrapy** and integrate **RSS feeds/APIs from popular news platforms like BBC, CNN, The New York Times, and Reuters**.

The **AI-based recommendation system** will analyze **user reading habits and preferences**, providing a customized news feed. The frontend will be built using **React.js/Vue.js**, and the backend will use **Flask/Django with MongoDB/PostgreSQL**.

To ensure credibility, the system will include **fact-checking mechanisms** and provide **source authenticity ratings**. Security features such as **rate limiting, bot detection, and data encryption** will prevent misuse and enhance reliability.

This project aims to **simplify news consumption by offering a centralized platform** that delivers relevant, real-time news from multiple sources in an efficient and engaging manner.