

# README

- **Problem Statement**

To overcome the challenge of information overload, the proposed news recommendation system provides personalized news for the user based on his preferences, thus saving time and giving him the news he needs. Along with personalized recommendations, the news is also categorized and displayed in the user interface. The same is delivered in a user-friendly web application.

- **Installation (Beta Version)**

The following instructions will get you a copy of the project up and running on your local machine for development and testing:

Clone the GitHub repository on your system

Install the required libraries

Download the nltk extensions (stopwords, punkt) (nltk.download('stopwords'))

- **Built with:**

Python

Flask

Pandas

Numpy

nltk

Beautifulsoup

Sklearn

JSON

HTML

CSS

- **How to run the code**

Run the Flask server: python3 app.py

Launch your browser and go to: <http://127.0.0.1:5000/0> (HomePage)

- **Python files**

App.py: main file

Categorize.py: news classification

Recommendations.py: recommends the news based on the scrapped news

Scap\_nws.py: scrap news from the news website

- **Acknowledgments**

Datasets used for baseline models:

<https://www.kaggle.com/rmisra/news-category-dataset>

<https://www.kaggle.com/arashnic/mind-news-dataset>