News Article Classifier Website

Front-end : React Js

I had tried to build the frontend of this website in react js. There are only 2 pages in the website. Home and Classifier. In home page there are just instructions and in the Classifier page , there is the prediction model.In frontend, I used react-router-dom to route between pages.

Back-end : Flask

* I had written the backend in Flask. I had used the flask-CORS to avoid the errors and easy to connect with React. All APIs are working in backend in app.py file.
* Model.py file contains the AI model, I have used to predict the correct category of the news article.
* For scraping the data from website, I have used Beautifulsoup and try to take all paragraphs from the website to predict the category.
* Database used in the website is MongoDB(pymongo) and connected to store all urls locally in database.

AI MODEL

I put the model folder, where I tried to train my model and check the best model in google colab. I also added the train and test data I have used to predict the accurate result from the model.

How to use this model

In the terminal:

To run the backend server:

* cd backend
* Python app.py

To start the frontend:

* cd ..\frontend
* npm install
* npm start run

To connect to MongoDb: I have used Mongo DB compass and connect to localhost:27017