

## Rahul God Tier Idea:

Due to the difficulty of finding reliable news info and forming opinions based on a vast amount of information in today's world I propose the following: we create a web application that web scrapes for two articles per day (at the least) that have opposing viewpoints or perspectives on a modern issue and both articles have their main points and facts summarized. We will utilize react.js for the frontend of the website (how it looks and moves) and flask for the back end of the website (any underlying functionality not seen or interactable for users).

1. Write a python script to pull 2 articles from the internet about the same topic
2. Utilize an existing bot that summarizes articles and use that to form main points into a bulleted list
3. Make the website look pretty and intuitive to use
4. \*\*Add comment section?\*\*

## Replit:

Replit is an online ide that makes collaboration between developers easy. All I need to do is share the project file with you. It will be easy to see the website there. So make an account. You can upload any file type and any images or whatever you need.

jaf5rp@virginia.edu

[txf5ek@virginia.edu](mailto:txf5ek@virginia.edu) / @MichelleTran4

[sd66cq@virginia.edu](mailto:sd66cq@virginia.edu)

<https://replit.com/join/mbrahsehoa-rahulandurkar1>

## Web Scraping:

<https://oxylabs.io/blog/python-web-scraping>

## Sources:

### Flexbox for Articles:

<https://dev.to/dawnind/3-ways-to-display-two-divs-side-by-side-3d8b>

### Icon for Logo:

<https://www.citypng.com/photo/20824/free-newspaper-news-icon-png>

### Time Function JavaScript:

<https://www.youtube.com/watch?v=HyhVjHGb19k>

### Comment Box:

<https://linuxhint.com/create-comment-box-using-html-css-javascript/>

Dark Mode Button:

<https://www.geeksforgeeks.org/how-to-create-dark-light-mode-for-website-using-javascript-jquery/>

## HoosHack Presentation Script (3-5MINS)

**GREETING:** Welcome to our presentation! I am Michelle, and my group members are Ananya,

Today, we will be presenting our project submission for HooHacks. Before we dive into our presentation, we want to address why we chose this idea.

**BACKGROUND INFORMATION:** Due to the difficulty of finding reliable news information, many opinions are formulated without knowing all of the information on the topic. And or the information is falsified or wrongfully presented due to bias.

**INTRODUCTION:** For our project, we wanted to implement a web application that web scrapes for two articles per day that have opposing viewpoints on a modern issue. On our website, there will be two articles with their main points and facts summarized. The user will not know the source of the article until they click on the link. This will help the user formulate their own opinion on the topic without having prior bias on the article from knowing the source. For our project, we will be utilizing **REACT.JS** to update the frontend of the website, and **FLASK** for the back end of the website.

**HEADER:** Located on top of the website is our header, it is composed of a navigation bar and information regarding the company location, volume issue, and date (which updates every day). Currently, our navigation bar does not work, but the plan was to implement usable links that will take the user to their category of choosing.

**WEB SCRAPING:** To obtain information, we coded a python script that will pull two articles on the internet that are on the same topic from opposing news sources (specifically Washington Post and Fox News) In addition, we utilized an existing bot that summarizes the article and used that in our code to form the main points.

**DARK MODE:** From the start, we wanted to implement dark mode as a feature of our website. Dark mode is a feature that has been growing in popularity for the past few years. Dark mode is utilized to help reduce eyestrain and headache, but also enhances readability for users. The way that we implemented dark mode in our web application by using JavaScript.

**COMMENT SEC:** The comment allows the user to submit their opinion about the articles, however, it should be noted that it will not show the comments of other users because the comment is stored as a local string variable that gets erased every time that a new user logs on and or the user refreshes the website.

**CONCLUSION:** In the future, given more time, we would make sure that the comments get stored in a database, so that it will allow a more interactive experience for all users.

This hackathon helped us learn more about HTML, CSS, and JavaScript. In addition, we had the opportunity to work more closely with one another on a project that was completely our own idea which the majority of us have never done before.

In the future, we will look to automatically import text from the python scripts, put it into a JSON file, and place that in the html file.