

# News Times



## A News Blog

### GROUP MEMBERS

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Under the Supervision of  
Prof. Jhalak Dutta



# Objectives

## News Blog

Implement a web-based news application designed to simplify the process of searching for specific categories of news content, prioritizing user experience.

## News Summary

Develop a feature that provides concise summaries of news articles, allowing users to quickly grasp key information.

# Technical Details

## Front End

Build with HTML, CSS & JavaScript, providing dynamic, responsive and interactive user interface



## ML & NLP

Using Python and Libraries to implement text summary feature on articles.

## Backend

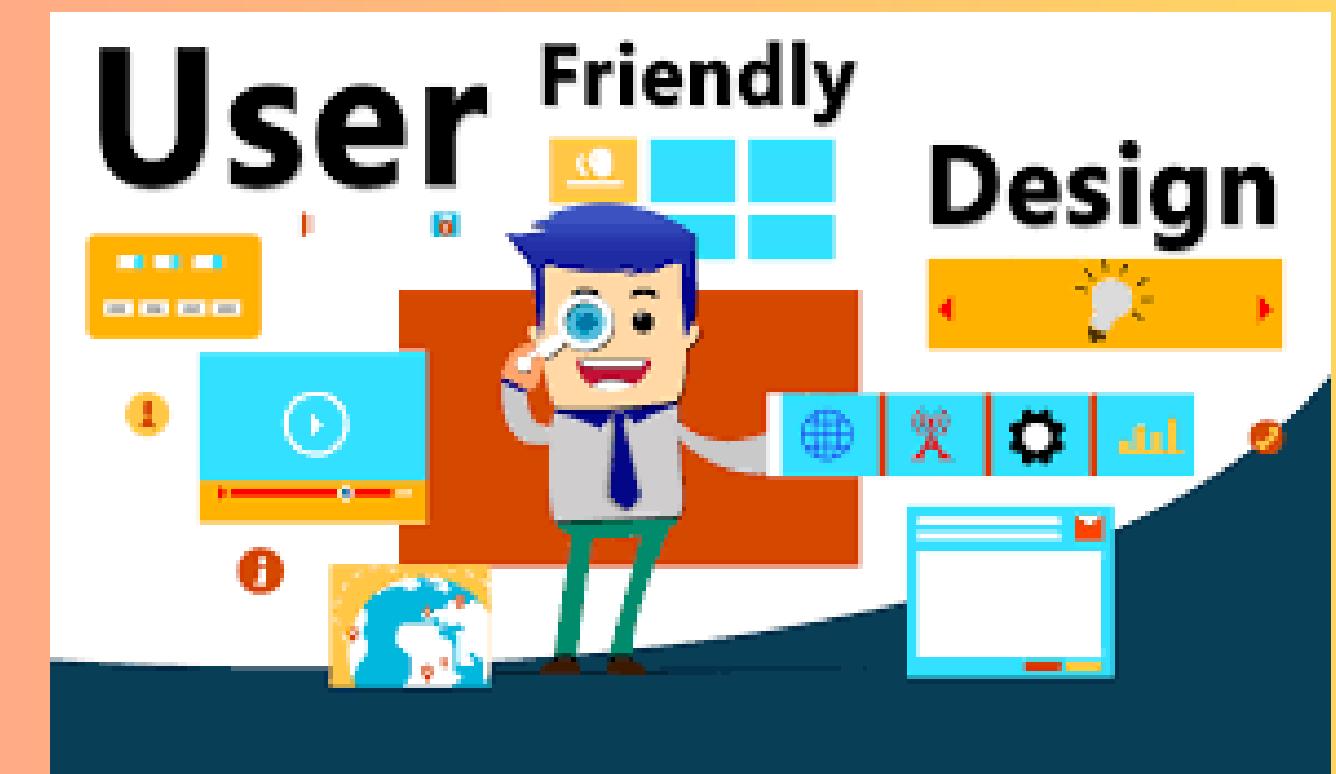
Website Backend includes express js, Node JS, MongoDB as databases.

# Scope of Project

- 'News Times' is a web-based news aggregation application designed to simplify the process of creating & searching of news content, prioritizing user experience.
- The application empowers users to contribute and share news articles across various categories, including sports, entertainment, politics, and more..
- Users can register, login, can write the news articles and read all the news articles posted by other users.

# Significance

- User-friendly and simplified interface
- Quick access to latest news
- Quick access to writing and sharing news
- Headlines and News Summary
- User Data Security



# Tools & Technology Used

## Tools:

- VS Code
- Git & Github

## Technology:

- HTML
- CSS
- JavaScript
- React JS
- React Router
- MongoDB, MongoDB Atlas
- ExpressJs
- NodeJS
- Thunder Client
- Python & its libraries
- Flask



# ReactJS

- **Why:** React.js is a JavaScript library for building user interfaces, and it excels at creating dynamic and interactive UIs. In a blog website, users often expect a responsive and engaging experience while navigating through articles, comments, and other content.
- **How:** React allows developers to create Components that can be efficiently rendered and re-rendered as needed, providing a seamless and dynamic user experience. Features like real-time updates, comment sections, and interactive elements can be easily implemented using React.

# NodeJS

- **Why:** Node.js allows us to run JavaScript on the server side, enabling the use of a single programming language (JavaScript) for both the server and client sides. This is known as "JavaScript everywhere."
- **How:** Node.js is used to create a server that can handle HTTP requests and responses. Its event-driven, non-blocking I/O model makes it well-suited for building scalable and real-time applications.

# ExpressJS

- **Why:** Express.js simplifies the process of building robust and scalable web applications by providing a set of features for routing, handling HTTP requests and responses, and managing middleware.
- **How:** It is used to define routes, middleware, and handle HTTP requests. It makes it easier to organize the code, manage routes, and handle various aspects of web development, such as authentication and error handling.

# MongoDB

- **Why:** MongoDB is a NoSQL schema-less database. It can handle diverse and, evolving data structures. This flexibility is particularly useful in web development where data requirements can change frequently.
- **How:** MongoDB is used to store and retrieve data for the web application. Express.js can be used to define routes that interact with MongoDB to perform CRUD (Create, Read, Update, Delete) operations on the data.

# Home Page

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Search a post

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## Pune News : Community Animal Caretakers raise voice against cruelty to animals

@tushar

Fri Dec 08 2023 02:34:57

According to protesters, in the past few months, there have been incidents where community dog caretakers and feeders have been targeted and blamed for the increasing number of stray dogs in the area. ...Read more



## Rajasthan Elections

@abhijeet

Fri Dec 08 2023 01:23:22

राजस्थान, मध्य प्रदेश और छत्तीसगढ़ में चल रही सियासी उठापटक मतगणना के बाद भी जारी है। इन तीनों ही राज्यों में भले ही भारतीय जनता पार्टी (BJP) ने बहुमत हासिल कर लिया है, लेकिन अभी तक राज्य के नए सीएम क ...Read more



## Indian Economy To Grow At 6.5% In 2024: Chief Economic Advisor

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Fri Dec 08 2023 02:24:47

The Indian economy will grow at 6.5 per cent in the current fiscal ending March 31, 2024,

# Home Page - Footer



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## Pune News : Community Animal Caretakers raise voice against cruelty to animals

@tushar

Fri Dec 08 2023 02:34:57



# Post Page

Relocating animals from one area to another is not an effective solution. Today, the Constitution of India provides the rights for the safety and welfare of all sentient beings, hence, it is crucial to address the issue of proliferating stray dog populations in India in a way that aligns with this principle. Animal lovers play a critical role in this effort, working with municipal corporations, bureaucracies, and NGOs to keep the population in check and avoid human-animal conflicts.

Categories: [animal](#) [abuse](#) [animal hate](#) [protest](#) [Pune](#) [community](#)

Comments:

@tushar Fri Dec 08 2023 01:08:41  
heyyy

@harsh Fri Dec 08 2023 01:11:35  
moye moye

@riya Fri Dec 08 2023 01:15:48  
hello...

Write a comment

Add Comment

# Adding Comment and Deletion

## Comments:

@tushar

Fri Dec 08 2023 01:08:41

heyyy

@harsh

Fri Dec 08 2023 01:11:35

moye moye

@riya

Fri Dec 08 2023 01:15:48

hello...

@Ram

Fri Dec 08 2023 06:35:13



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tushar

tusharag@gmail.com

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## Update a post

All sectors contribute significantly to high GDP growth: FM Sitharaman

Choose File

Sitharaman-at-CII-Summit-770x433.avif

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Add

Finance Minister Nirmala Sitharaman on Thursday said India continues to maintain the momentum of the fastest-growing major economy, with all sectors contributing significantly in economic activities. Replying to a short-duration discussion on the state of the economy in the Rajya Sabha, the minister also highlighted the various achievements of the Modi government since May 2014.

"The second quarter growth was very high, it is the highest in the world. We continuously maintain that momentum of being the fastest-growing economy," Sitharaman said. She further said that in just the last eight years, India has become the fifth largest economy from the 10th in 2014. "The activities are all across the economy. It's not as if one sector is doing well...All sectors are growing and growing significantly for us to notice it," she said.

She emphasised that the manufacturing sector is also contributing significantly to the economy on the back of measures taken by the government, including the Make-In-India programme and production-linked incentive (PLI) scheme. India is the second most sought-after manufacturing destination in the world, she added. The finance minister further informed the House that direct tax collection grew by 21.82 pc this year till November 9 and monthly GST collections have stabilised at Rs 1.6 lakh crore in a sign of economic growth.

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## All sectors contribute significantly to high GDP growth: FM Sitharaman

@tushar

Fri Dec 08 2023 06:42:26

Finance Minister Nirmala Sitharaman on Thursday said India continues to maintain the

# Summary - Text Input

Contrary to popular belief, Lorem Ipsum is not simply random text. It has roots in a piece of classical Latin literature from 45 BC, making it over 2000 years old. Richard McClintock, a Latin professor at Hampden-Sydney College in Virginia, looked up one of the more obscure Latin words, *consectetur*, from a Lorem Ipsum passage, and going through the cites of the word in classical literature, discovered the undoubtable source. Lorem Ipsum comes from sections 1.10.32 and 1.10.33 of "de Finibus Bonorum et Malorum" (The Extremes of Good and Evil) by Cicero, written in 45 BC. This book is a treatise on the theory of ethics, very popular during the Renaissance. The first line of Lorem Ipsum, "Lorem ipsum dolor sit amet..", comes from a line in section 1.10.32.

The standard chunk of Lorem Ipsum used since the 1500s is reproduced below for those interested. Sections 1.10.32 and 1.10.33 from "de Finibus Bonorum et Malorum" by Cicero are also reproduced in their exact original form, accompanied by English versions from the 1914 translation by H. Rackham.

Your Summary

Summary Length

Submit Clear Copy text

# Summary - Text Output

The screenshot shows a web-based application for summarizing text. At the top, the URL bar displays "127.0.0.1:5000/Summarize". The page title is "Simplifier Data Summarization". On the left, there is a large input area labeled "Enter your Data" with a placeholder text area. Below this is a "Summary Length" slider with a blue handle. At the bottom of this column are two buttons: "Submit" (blue) and "Clear" (red). On the right, a large green box contains the summary text: "Lorem Ipsum has roots in a piece of classical Latin literature from 45 BC, making it over 2000 years old. A Latin professor at Hampden-Sydney College in Virginia, looked up one of the more obscure Latin words, consectetur, from a LoreM Ipsum passage. He discovered the undoubtable source in sections 1.10.32 and 1. 10.33 of "de Finibus Bonorum et Malorum" (The Extremes of Good and Evil) by Cicero. This book is a treatise on the theory of ethics, very popular during the Renaissance. The first line of Lorem IpsUM, "Lorem ipsum dolor sit amet..", comes from a line in section 1.11.2 of the book." At the bottom right of this green box is a "Copy text" button.

Enter your Data

Summary Length

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Simplifier  
Data Summarization

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# Future Scope

- **Implementation of Text summarizer using Machine Learnig:** To develop a model that can automatically generate concise and coherent summaries of News
- **Implementation of Sentimental Analysis using ML:** To develop a model that can analyze and determine the sentiment expressed in in a particular news , whether it is positive, negative, or neutral.

# Conclusion

The creation of the ‘News Times’ Web Application involved a systematic and interconnected approach.

Each phase of development was thoughtfully designed, with interdependencies and connections between them.

This App allows users to quickly Read, Publish or Interact with the News in an engaging manner.

# References

- React JS: <https://react.dev/learn>
- HTML, CSS, JavaScript: <https://developer.mozilla.org/en-US/docs/Web>
- MongoDB: <https://www.mongodb.com/>
- Python: <https://www.python.org/doc/>
- ML: <https://ml-cheatsheet.readthedocs.io/en/latest/>  
<https://scikit-learn.org/stable/>
-

**THANK YOU!**