

Fully Responsive Static News Website Design

Project Name: The National chronicles

Objectives / Aim

The primary aim of this project is to design and develop a fully responsive static news website using frontend web technologies, specifically HTML and CSS. The project is intended to simulate the structure and presentation of a real-world online news portal similar to popular platforms such as The Hindu and Times of India. Through this project, the objective is to apply theoretical knowledge of web development concepts into a practical implementation that demonstrates proper layout design, content organization, and user-friendly navigation. Another important aim is to understand responsive design principles and ensure that the website functions effectively across different screen sizes including mobile devices, tablets, and desktop systems. Additionally, the project aims to follow SEO-friendly coding practices and demonstrate basic user interaction using HTML forms.

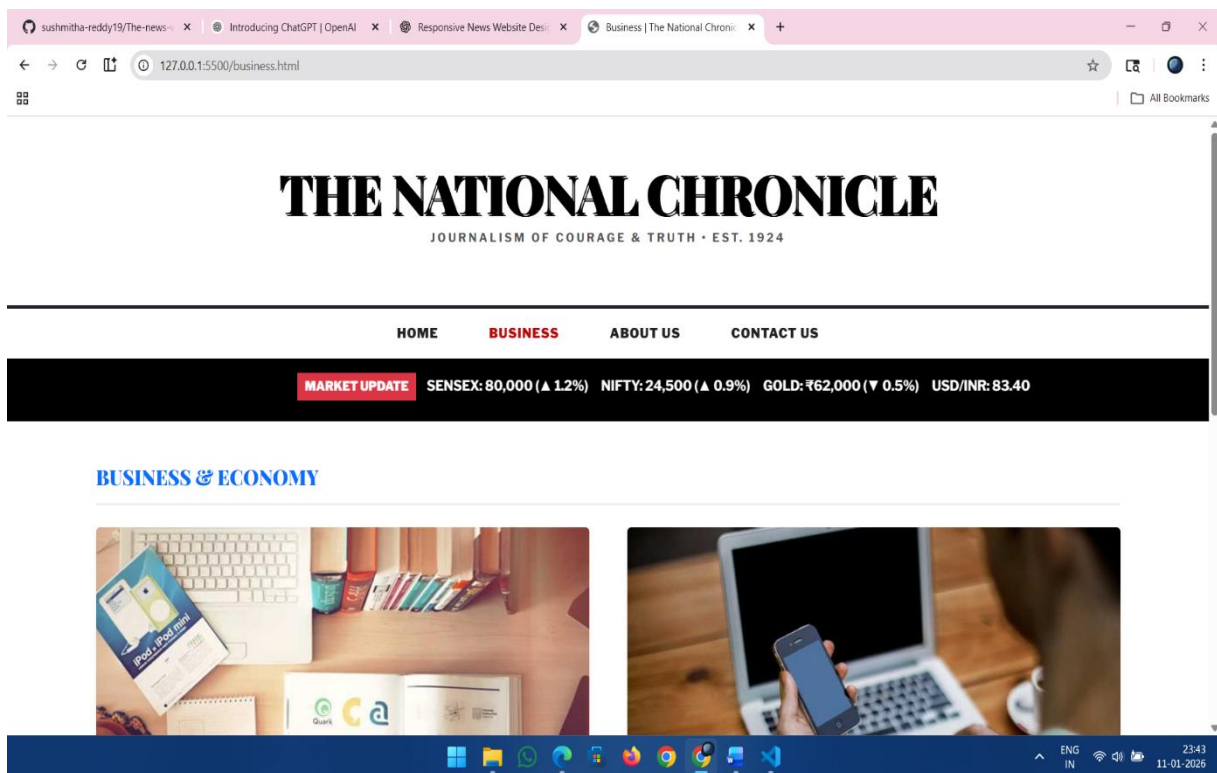
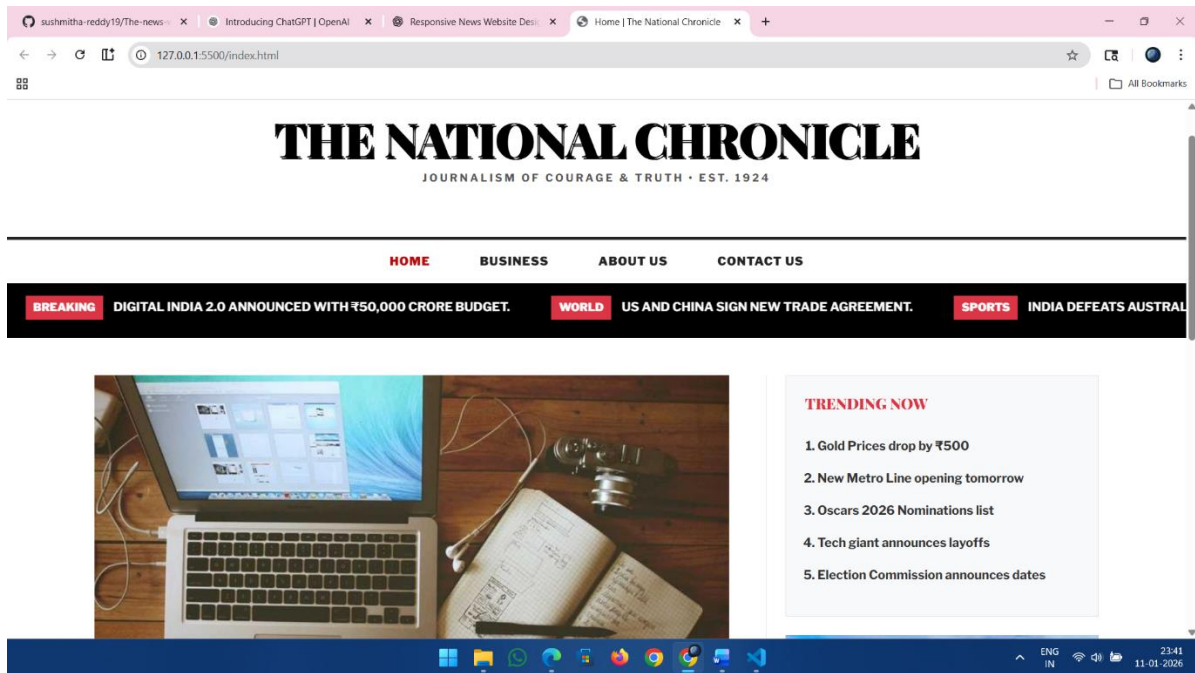
Short Introduction

The National chronicle is a static news website developed as part of an individual assignment under the Full Stack Development program. The website is designed to display news-related content such as headline news, latest updates, business news, and informational content in a structured and visually organized manner. The project consists of four HTML files—Home, About, Business, and Contact—each containing in-built (internal) CSS for styling. No backend technologies or databases are used in this project, making it a purely frontend-based application. The main focus of the project is to create a realistic newspaper-style layout while maintaining simplicity, responsiveness, and ease of navigation.

Diagrams

Before the coding phase, a wireframe was designed using Figma to visually represent the layout and structure of the website. The wireframe diagram includes the placement of the header section with a centered logo, a sticky navigation bar, the main content area for headline news, a sidebar for latest updates, multiple content blocks for different news categories, and a footer section. Designing the wireframe helped in understanding how the content should be distributed across the page and ensured consistency in design across all four HTML pages. The wireframe also reduced confusion during development and served as a reference point while implementing the actual HTML and CSS code. Screenshots of the wireframe design are included in the documentation as visual evidence of the planning stage.

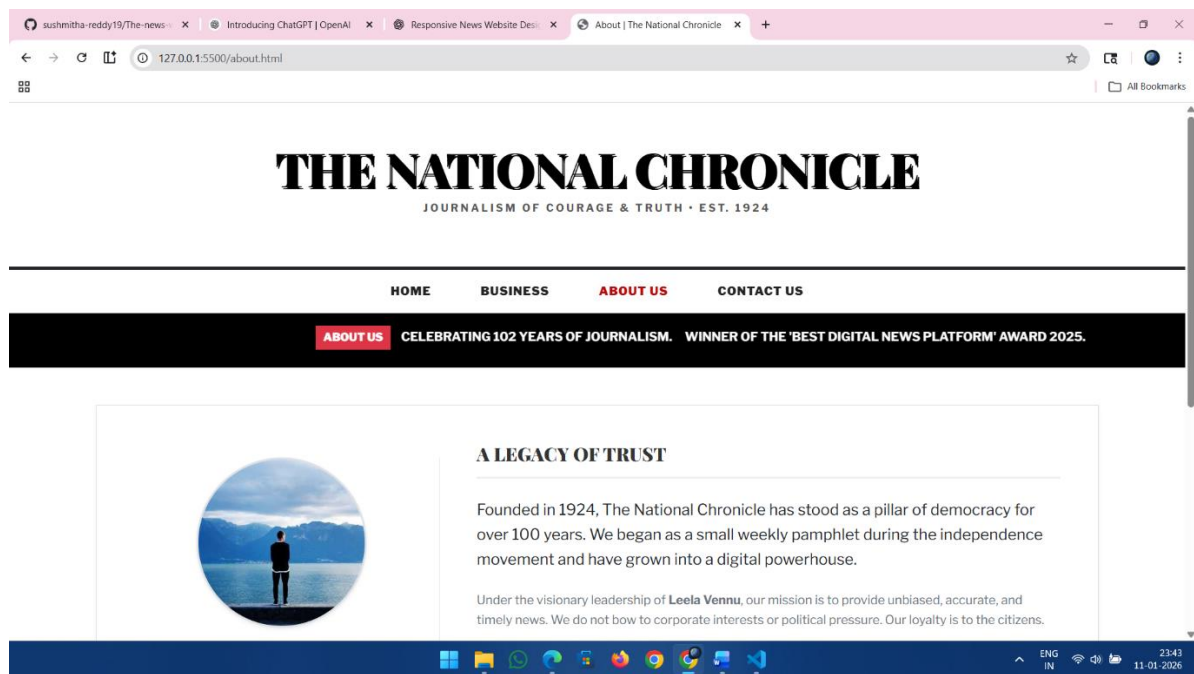
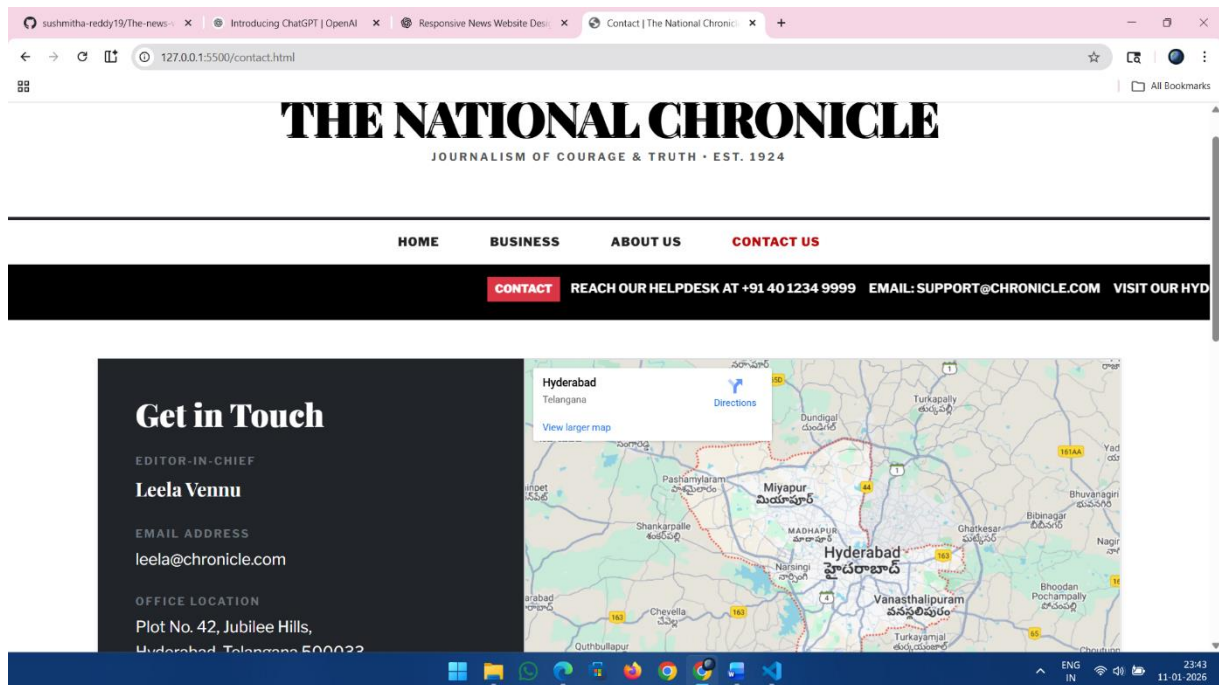




Technical Steps

The development of this project was carried out in a structured and step-by-step manner. Initially, the assignment requirements were thoroughly analyzed to understand the expectations related to design, responsiveness, SEO, and hosting. Based on this analysis, the theme of a news website was selected, and the overall structure of the project was planned. A project folder was created, and four HTML files were developed to represent different pages of the website: index.html for the Home page, about.html for the About page, business.html for the Business news section, and contact.html for the Contact page.

Each of these HTML files contains in-built (internal) CSS defined within the `<style>` tag. This approach was chosen to keep the styling self-contained within each file, making it easier to manage and understand for a small-scale static project. Semantic HTML elements such as header, nav, section, article, and footer were used to improve code readability and SEO friendliness. A navigation bar was added to all pages and made sticky using CSS so that it remains visible at the top while scrolling, thereby improving user experience.



The Home page was designed to include a main headline section with an image and description, along with a sidebar that displays the latest news headlines. Additional news content was displayed using a grid-based layout to resemble a traditional newspaper format. The About page provides information about the news organization, its mission, and its purpose. The Business page focuses on business and market-related news articles displayed using images and short descriptions. The Contact page includes a contact form built using HTML input elements, as well as an embedded Google Map to show location details.

Responsiveness was achieved by using flexible layouts, relative units, and media queries within the internal CSS. This ensures that the website adapts smoothly to different screen sizes without breaking the layout. Dummy content and royalty-free images were used to simulate real news articles and enhance the visual appearance of the website.

Challenges / Limitations

One of the major challenges faced during the development of this project was creating a layout similar to professional news websites using only HTML and CSS, without the support of JavaScript or backend technologies. Managing content density, image sizing, and alignment using in-built CSS required careful adjustments and repeated testing. Another challenge was ensuring responsiveness across different devices while maintaining a consistent newspaper-style appearance. Since the website is static, it does not support real-time news updates, user authentication, or dynamic content loading. Additionally, using internal CSS can make maintenance difficult if the project grows larger, as changes need to be made individually in each HTML file.

Conclusion / Summary

In conclusion, the Global Times project successfully demonstrates the design and development of a fully responsive static news website using four HTML files with in-built CSS. The project fulfills all the requirements specified in the assignment, including multiple pages, navigation, responsiveness, SEO-friendly structure, and basic user interaction. Through this project, practical experience was gained in layout planning, responsive design, content structuring, and frontend deployment. The project serves as a strong foundation for future enhancements, such as adding JavaScript for interactivity or integrating backend technologies for dynamic news updates.

References

The following resources were referred to for learning and implementation during the development of this project:

- <https://developer.mozilla.org/>
- <https://www.w3schools.com/>
- <https://www.figma.com/>
- <https://unsplash.com/>
- <https://fonts.google.com/>
- <https://htmlcolorcodes.com/>