Blogging Website

MINI PROJECT - II

REPORT FILE

Department of Computer Science & Application

Institute of Engineering & Technology

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Executive Summary

When it comes to new bloggers to create their own website for blogging, it creates much confusion among them who don’t know how to create a website and how to organize thing son that website. Also those who don’t know he way of writing blogs like how it’s done and how to write a blog. So, my motive to develop this project is to create a website for blogging which is open to all. Where new bloggers can come and join us for creating their own section of the blogs on our website. Also if they want to post their blogs on the home page of our website, they can post a query in the query section of the website so that if the blog is relevant to post it on our website, we will check it and then proceed further. Title of the project: Blogging Website Objective of the project: The objective of the project is to gather other fresher bloggers on a single website and to get their blogs posted on this single website. So that other blogger can also see and learn from them. The website offers features such as blog creation, content management, user authentication, and interactive user interactions. Overall, the "Blogging Website" provides bloggers and readers with a modern and engaging platform for sharing and consuming blog content.

Title of the project:

- Blogging Website

Objective of the project:

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In recent past time Blogs are store in the paper files and difficult to search or modify any information, for expanding the Blogs infrastructure, Awareness of environmental issues or any other issues related to education, health, digital technology, and search for greater safety give to information to all persons in all age groups and a new role within the education system, I choose this project. As a result of these project initiatives phenomenal growth has taken place in all the activities of blogs and any user can share its information related to any topic to all users.

Why This Project?

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EXISTING SYSTEM:-

Existing system is manual system. It requires a lot of file work to be done. It is a time. consuming system. All customer information is maintained manually. Any searching requires so much effort manually. The existing system of a blogging website may vary depending on the specific platform or software being used. However, some common features and components of a typical existing system for a blogging website.

Benefits of The Project

This is a very simple design and implement. It has got following features:

- Data can be saved safely.
- No other person cannot view other person's detail.
- Greater efficiency.
- User friendliness.
- Minimum time required.
- Free of cost.

Application

WEBLOG enables the users to create innovative and attractive information with photos in just few simple steps. The user just needs to upload some images of his choice and can also upload the information or can select from the given category list. This website will provide a personalized environment that would contain the data in motion with images.

Module In The Project

The modules involved in this project are:-

- Admin
- User

Admin:

- Can see all pages.
- Can maintain whole site.
- Can maintain all record of users.
- Can make changes to data.

User:

- Add information.
- Add comments.
- Upload the blogs.

SOFTWARE AND HARDWARE REQUIREMENTS

SOFTWARE REQUIREMENTS:

- Web Browser - IE8, Firefox, Chrome, Opera and Safari. So we can check that the page views OK across a variety of platforms.
- Internet Service
- GitHub ,Vs code
- MongoDB

HARDWARE REQUIREMENTS:

- System – 4gb ram ,i3processor ,160GB of Hard Drive and the CPU is a Celeron 2.2Ghz
- Browser.

Introduction

Blogging has become such a mania that a new blog is being created every second of every minute of every hour of every day. A blog is your best bet for a voice among the online crowd. Blogs were usually the work of a single individual occasionally of a small group, and often covered a single subject. More recently, "multi-author blogs" (MABS) have developed, with posts written by large numbers of authors and professionally edited. MABS from newspapers, other media outlets, universities, think tanks, advocacy groups, and similar institutions account for an increasing quantity of blog traffic. The rise of Twitter and other "microblogging" systems helps integrate MABS and single-author blogs into societal new streams. Blog can also be used as a verb, meaning to maintain or add content to a blog. A novel is a long, fictional narrative which describes intimate human experiences. WEBLOG is a combination of both Blog as well as Novels. Blog contain the Information of various things related to Technology, Education, News, International, Business, Sports, Entertainment and ongoing college activities. The main aim of this project is to provide data to students in only one site. Students can gather the information from one site as well as give their feedback and create their own blog. Students can post their views and thought and analyze themselves. Besides all such core functionalities, the application also includes features like FAQ, request, feedback etc. so as to provide a satisfactory user experience.

Theoretical Aspects of Web Development Project

Web development refers to building website and deploying on the web. Web development requires use of scripting languages both at the server end as well as at client end.

Before developing a web site once should keep several aspects in mind like:

- What to put on the web site?
- Who will host it?
- How to make it interactive?
- How to code it?
- How to create search engine friendly web site?

Web Development Process

Web development process includes all the steps that are good to take to build an attractive, effective and responsive website.

Web development tools

Web development tools helps the developer to test and debug the web sites. Now a days the web development tool come with the web browsers as add-ons. All web browsers have built in tools for this purpose.

These tools allow the web developer to use HTML, CSS, JavaScript, Node and Reactjs etc. These are accessed by hovering over an item on a web page and selecting the “Inspect Element” from the context menu.

Scope of the Project

As you know that the number of blogs are becoming larger day by day. So the blogs which have high quality content survive and the blogs with lower content quality will not succeed on the internet. The young generation are now moving from static content to dynamic content like flash and updating information like twitter. Twitter has a big value in social networking sites. Most bloggers share their website links on twitter. So you have to keep in touch with twitter to have latest news about blogs. Nowadays you have to not worry about how to get latest information, you just have to visit the specific site of your interest and view the main page. The main page of website gives you latest information about the website content.

The newspaper websites have now also become like blogs. Most authors write on weekly basis and you can see the article of any blogger by clicking on author name. The blogging is more taking attention to tech news like iphone, ipad, laptops, ipod, mobiles and other technology news. I have seen some blogs are discussing about medical treatment and how to remain healthy and smart, so that mean you can write on other information also. The scope of blogging is bright as more and more users are getting access to the internet and computers. In all type of offices the computer is a necessary part so visitors browse the internet to have solution of their problems. So the bloggers have to keep eye in the future and have to write in some different way that is not common to other blogs. People always looking for new techniques and words. Give your visitors a new way of reading and not boring content.

Implementation

Implementation is the stage in the project where the theoretical design is turned into the working system and is giving confidence to the new system for the users i.e. will work efficiently and effectively. It involves careful planning, investigation of the current system and its constraints on implementation, design of method to achieve the changeover, an evaluation, of change over methods. A part from planning major task of preparing the implementation is education of users. The more complex system is implemented, the more involved will be the system analysis and design effort required just for implementation. An implementation coordinating committee based on policies of individual organization has been appointed. The implementation process begins with preparing a plan for the implementation for the system. According to this plan, the activities are to be carried out, discussions may regarding the equipment has to be acquired to implement the new system implementation is the final and important phase. The most critical stage is in achieving a successful new system and in giving the users confidence that the new system will work and be effective. The system can be implemented only after thorough testing is done and if it found to working according to the specification. This method also offers the greatest security since the old system can take over if the errors are found or inability to handle certain types of transaction while using the new system.

Technology to be used

React

React is a popular JavaScript library for building user interfaces, particularly for web applications. Developed and maintained by Facebook, React allows developers to create reusable UI components that can be efficiently rendered and updated when the underlying data changes. React follows a component-based architecture, where UIs are broken down into small, isolated components that can be composed together to build complex user interfaces.

React uses a virtual DOM (Document Object Model) to optimize rendering performance by minimizing DOM updates. Instead of manipulating the actual DOM directly, React updates a virtual representation of the DOM and then efficiently applies the necessary changes to the actual DOM. This makes React highly efficient and fast, resulting in smooth user experiences.

React also promotes a declarative approach to UI development, where developers define how the UI should look at any given moment, and React takes care of updating the actual DOM to match the desired UI state. This makes React code easier to understand, test, and maintain.

React has a large and vibrant ecosystem with a vast collection of third-party libraries and tools that enhance its capabilities, such as Redux for state management, React Router for routing, and Axios for handling HTTP requests. React is widely used by web developers around the world and has a strong community support, making it a popular choice for building modern web applications.

What is React

Throughout history, human beings have experienced a wide range of reactions to various events and circumstances. From moments of triumph and joy to times of adversity and sorrow, emotions have shaped the course of history. They have driven revolutions, wars, and social movements, and have influenced the decisions of leaders and individuals alike. Emotions like anger, fear, love, and hope have stirred people to action, sparking change and shaping the world we live in today. Whether it's the joy of a scientific discovery, the rage of an injustice, the fear of conflict, or the hope for a better future, emotions have been a driving force behind the events that have shaped our collective history.

Html

provides basic and advanced concepts of HTML. Our HTML tutorial is developed for beginners and professionals. In our tutorial, every topic is given step-by-step so that you can learn it in a very easy way. If you are new in learning HTML, then you can learn HTML from basic to a professional level and after learning HTML with CSS and JavaScript you will be able to create your own interactive and dynamic website. But Now We will focus on HTML only in this tutorial.

The major points of HTML are given below:

- HTML stands for HyperText Markup Language.
- HTML is used to create web pages and web applications.

Css

CSS tutorial or CSS 3 tutorial provides basic and advanced concepts of CSS technology. Our CSS tutorial is developed for beginners and professionals. The major points of CSS are given below:

- CSS stands for Cascading Style Sheet.
- CSS is used to design HTML tags.
- CSS is a widely used language on the web.
- HTML, CSS and JavaScript are used for web designing. It helps the web designers to apply style on HTML tags.

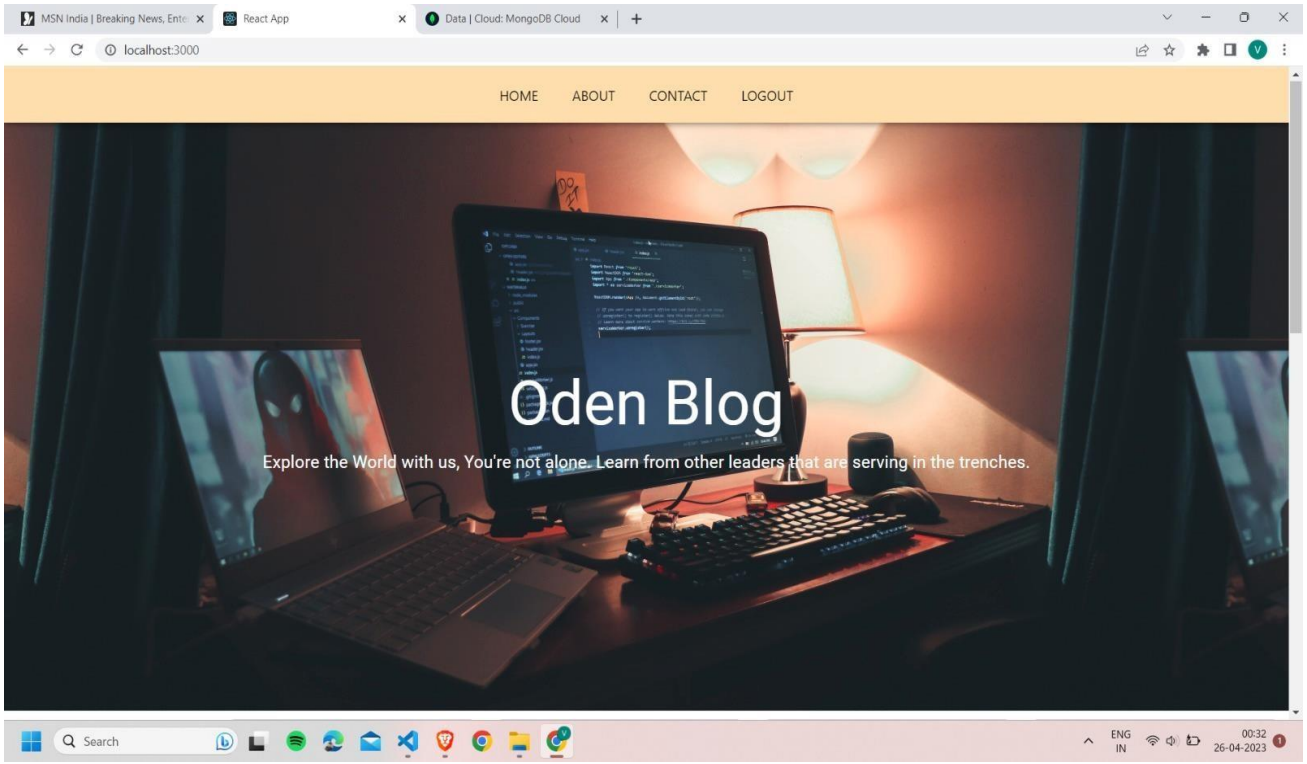
Node js

Node.js, a popular open-source JavaScript runtime, has revolutionized web development since its introduction in 2009. Built on Google's V8 JavaScript engine, Node.js allows developers to write server-side code using JavaScript, a language traditionally associated with client-side scripting. Node.js offers event-driven, non-blocking I/O, making it highly scalable and efficient for building real-time applications, APIs, and microservices. Its extensive package ecosystem, known as npm, provides a rich collection of libraries and modules, enabling rapid development and deployment of server-side applications. Node.js has gained widespread adoption among developers, powering websites and applications for major companies like Netflix, LinkedIn, and Walmart. Its lightweight, fast, and scalable nature has made it a go-to choice for modern web development, driving innovation in the field of server-side JavaScript programming.

Mongodb

MongoDB, a popular NoSQL database, has revolutionized the way data is stored and retrieved for modern applications. Introduced in 2009, MongoDB is a document-oriented database that stores data in a flexible, JSON-like format called BSON, allowing developers to work with data in a more natural and intuitive way. MongoDB's schema-less design allows for agile development, accommodating evolving data models without the need for complex migrations. With built-in horizontal scalability and automatic data replication, MongoDB ensures high availability and fault tolerance. Its powerful query capabilities, indexing, and aggregation framework enable efficient data retrieval and analysis. MongoDB has gained widespread adoption, powering applications for companies like Adobe, Cisco, and eBay. Its flexibility, scalability, and ease of use have made it a popular choice for modern data-driven applications across various industries.

SNAPSHOTS: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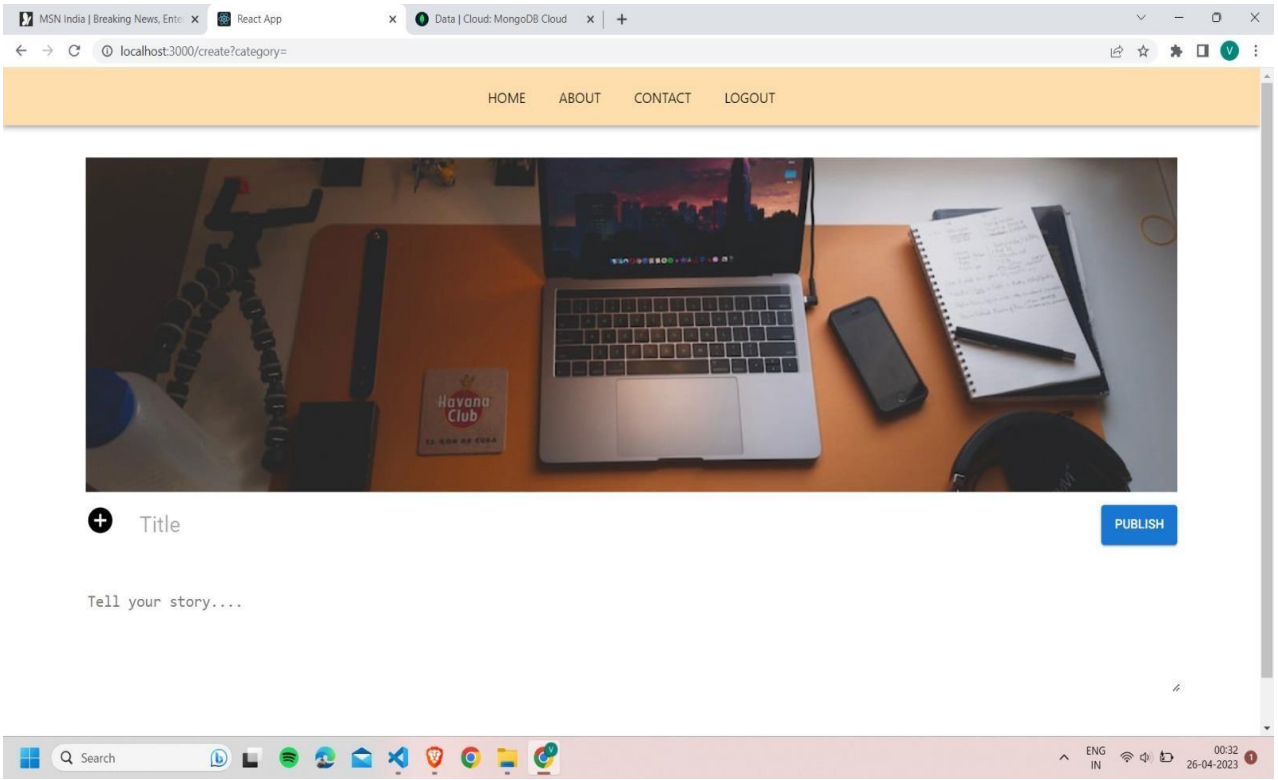
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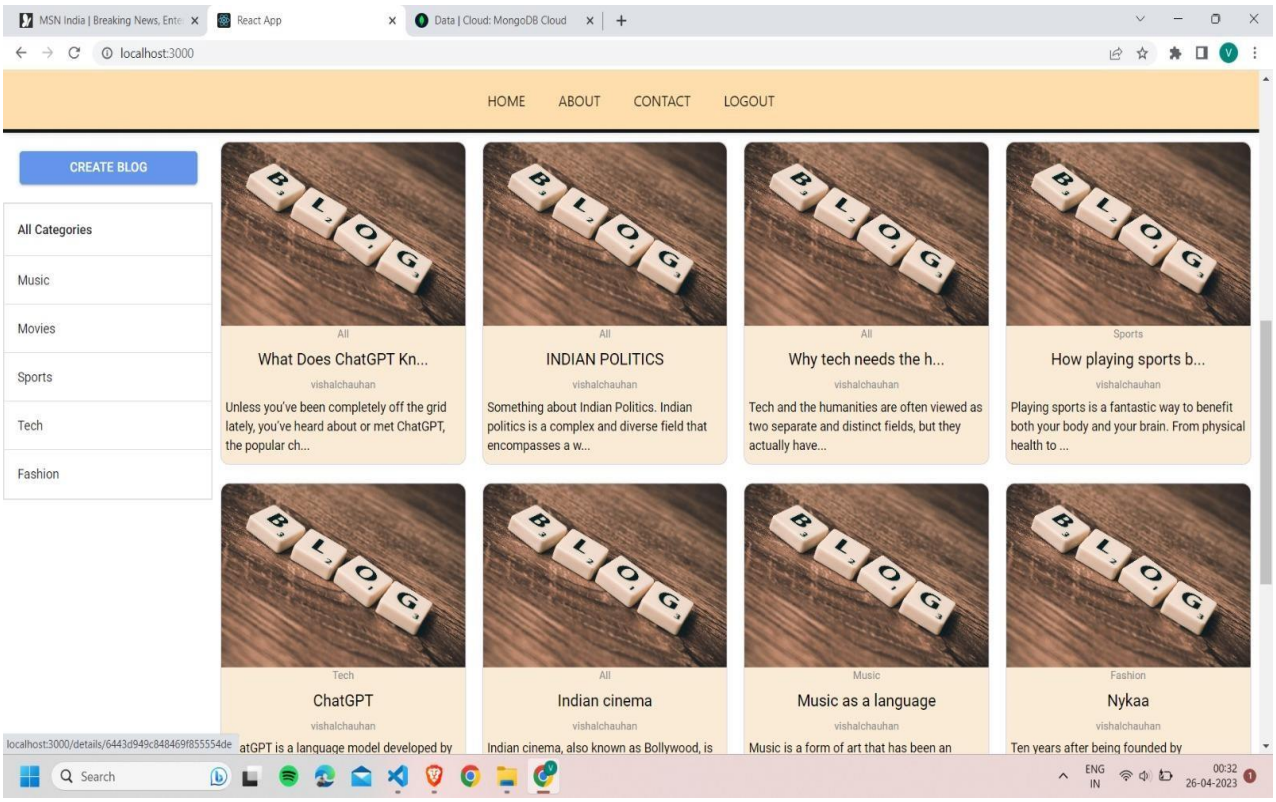
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What Does ChatGPT Kn...
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Something about Indian Politics. Indian politics is a complex and diverse field that encompasses a w...
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Why tech needs the h...
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Tech and the humanities are often viewed as two separate and distinct fields, but they actually have...
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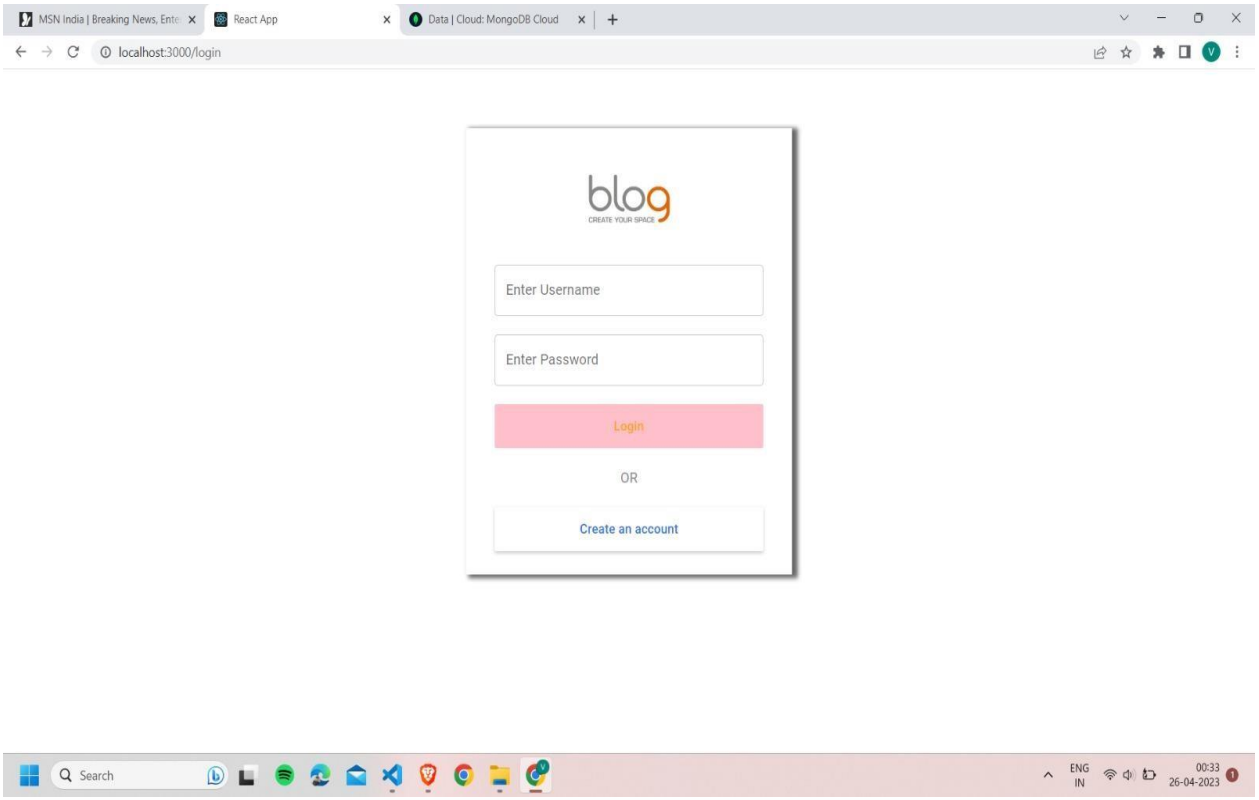
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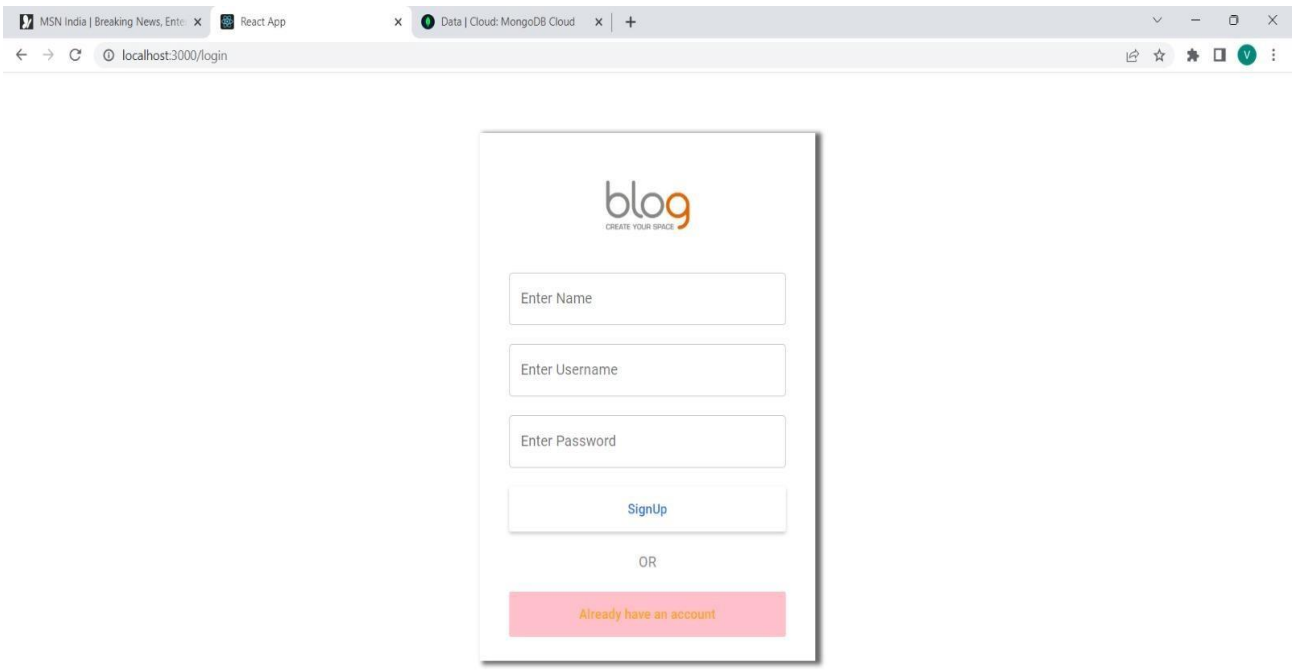
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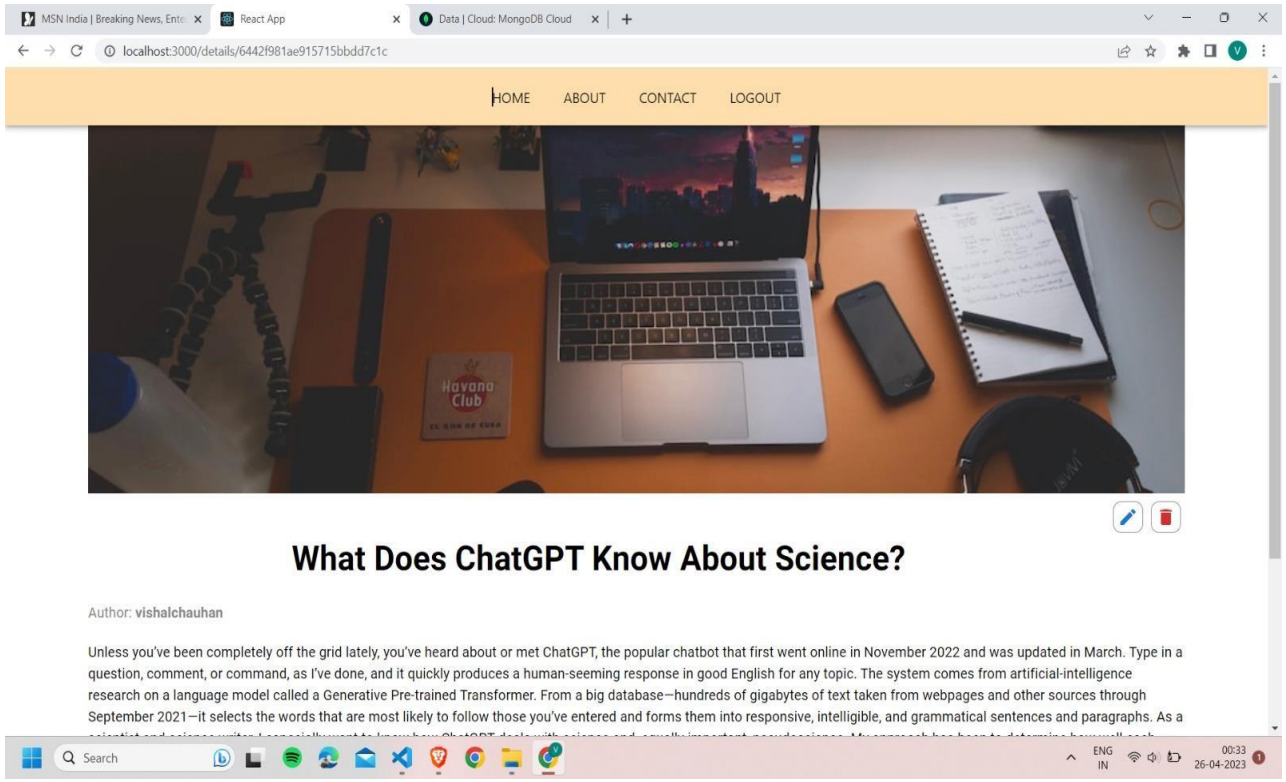
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What Does ChatGPT Know About Science?
Author: vishalchauhan
Unless you've been completely off the grid lately, you've heard about or met ChatGPT, the popular chatbot that first went online in November 2022 and was updated in March. Type in a question, comment, or command, as I've done, and it quickly produces a human-seeming response in good English for any topic. The system comes from artificial-intelligence research on a language model called a Generative Pre-trained Transformer. From a big database—hundreds of gigabytes of text taken from webpages and other sources through September 2021—it selects the words that are most likely to follow those you've entered and forms them into responsive, intelligible, and grammatical sentences and paragraphs. As a
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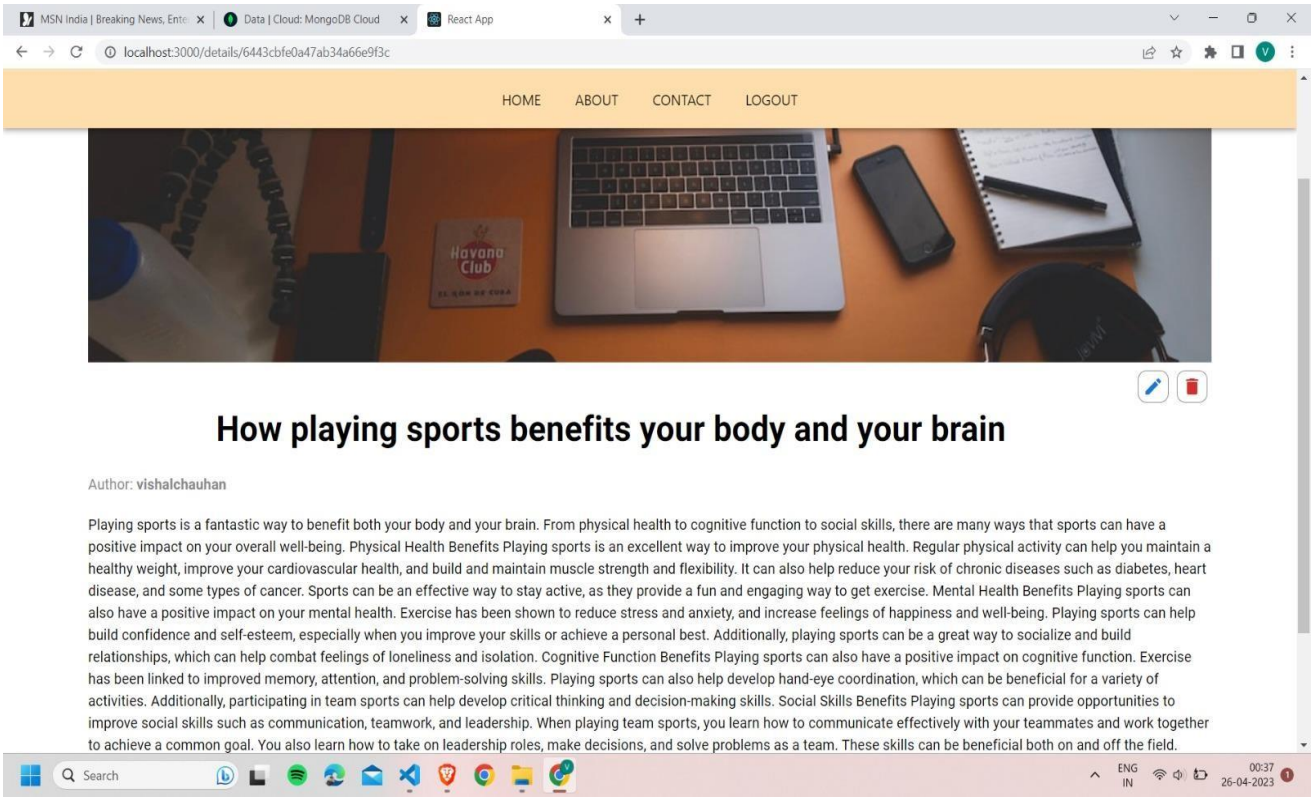
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How playing sports benefits your body and your brain
Author: vishalchauhan
Playing sports is a fantastic way to benefit both your body and your brain. From physical health to cognitive function to social skills, there are many ways that sports can have a positive impact on your overall well-being. Physical Health Benefits Playing sports is an excellent way to improve your physical health. Regular physical activity can help you maintain a healthy weight, improve your cardiovascular health, and build and maintain muscle strength and flexibility. It can also help reduce your risk of chronic diseases such as diabetes, heart disease, and some types of cancer. Sports can be an effective way to stay active, as they provide a fun and engaging way to get exercise. Mental Health Benefits Playing sports can also have a positive impact on your mental health. Exercise has been shown to reduce stress and anxiety, and increase feelings of happiness and well-being. Playing sports can help build confidence and self-esteem, especially when you improve your skills or achieve a personal best. Additionally, playing sports can be a great way to socialize and build relationships, which can help combat feelings of loneliness and isolation. Cognitive Function Benefits Playing sports can also have a positive impact on cognitive function. Exercise has been linked to improved memory, attention, and problem-solving skills. Playing sports can also help develop hand-eye coordination, which can be beneficial for a variety of activities. Additionally, participating in team sports can help develop critical thinking and decision-making skills. Social Skills Benefits Playing sports can provide opportunities to improve social skills such as communication, teamwork, and leadership. When playing team sports, you learn how to communicate effectively with your teammates and work together to achieve a common goal. You also learn how to take on leadership roles, make decisions, and solve problems as a team. These skills can be beneficial both on and off the field.
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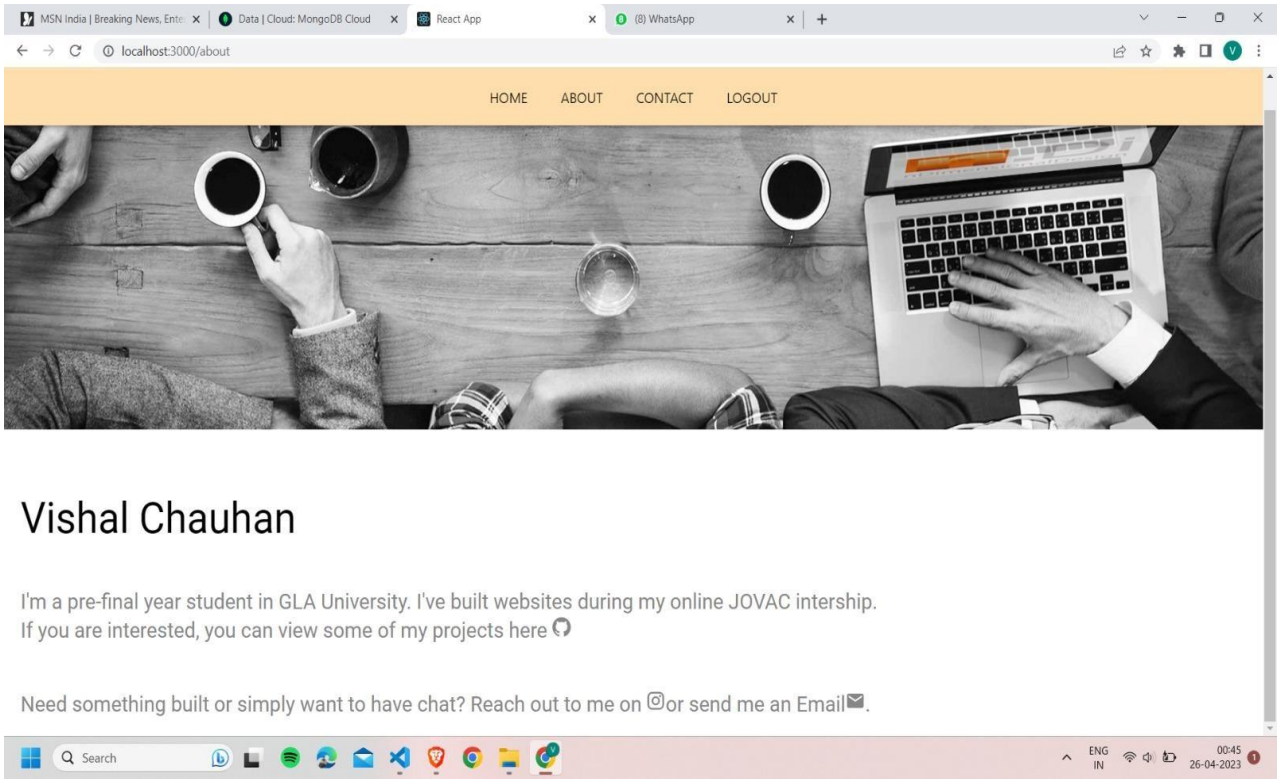
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Vishal Chauhan
I'm a pre-final year student in GLA University. I've built websites during my online JOVAC intership.
If you are interested, you can view some of my projects here
Need something built or simply want to have chat? Reach out to me on or send me an Email.
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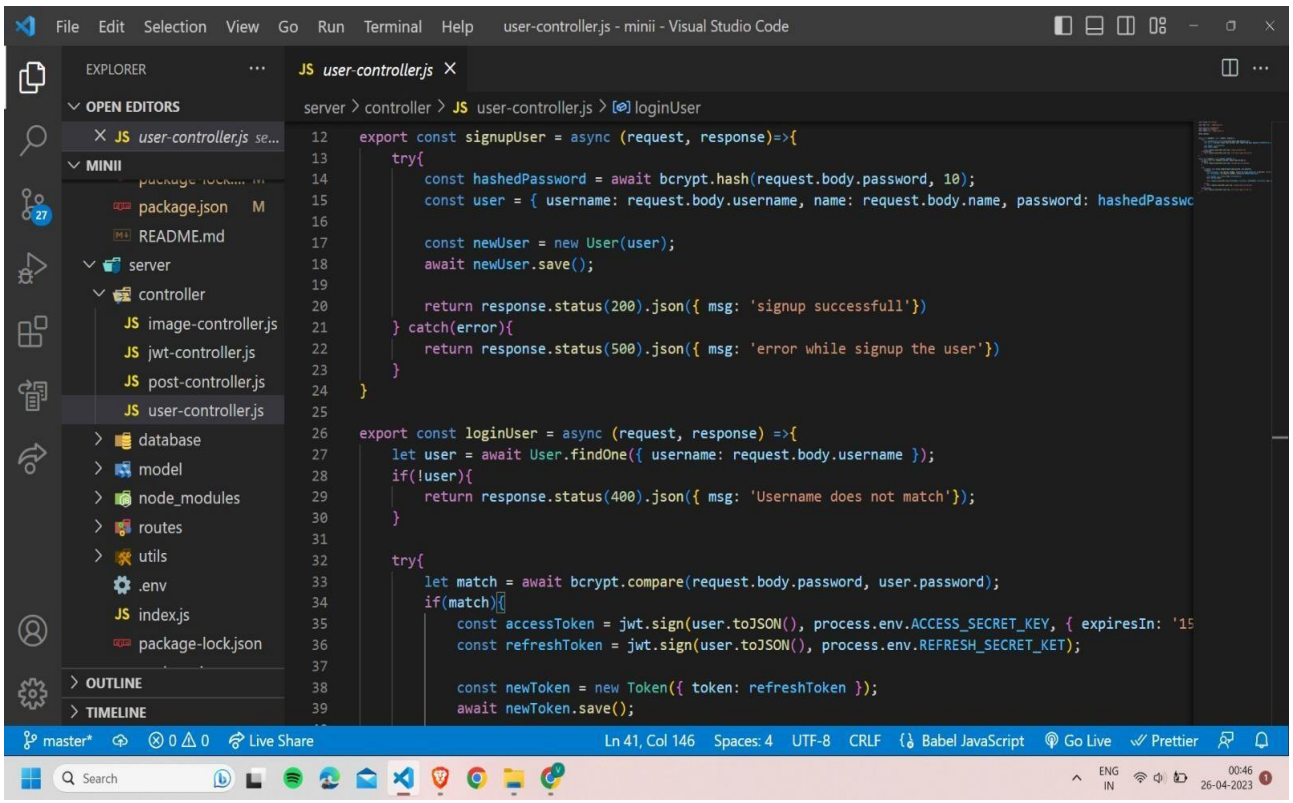
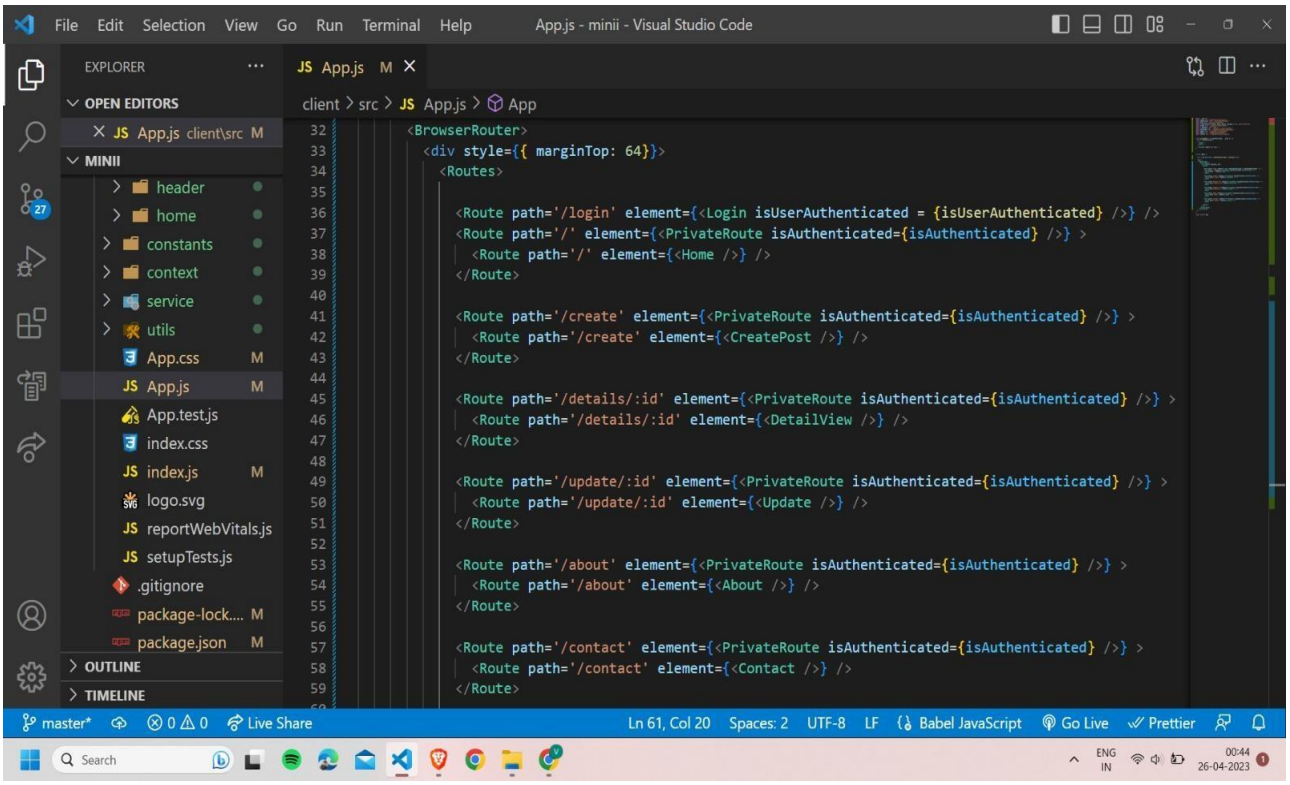
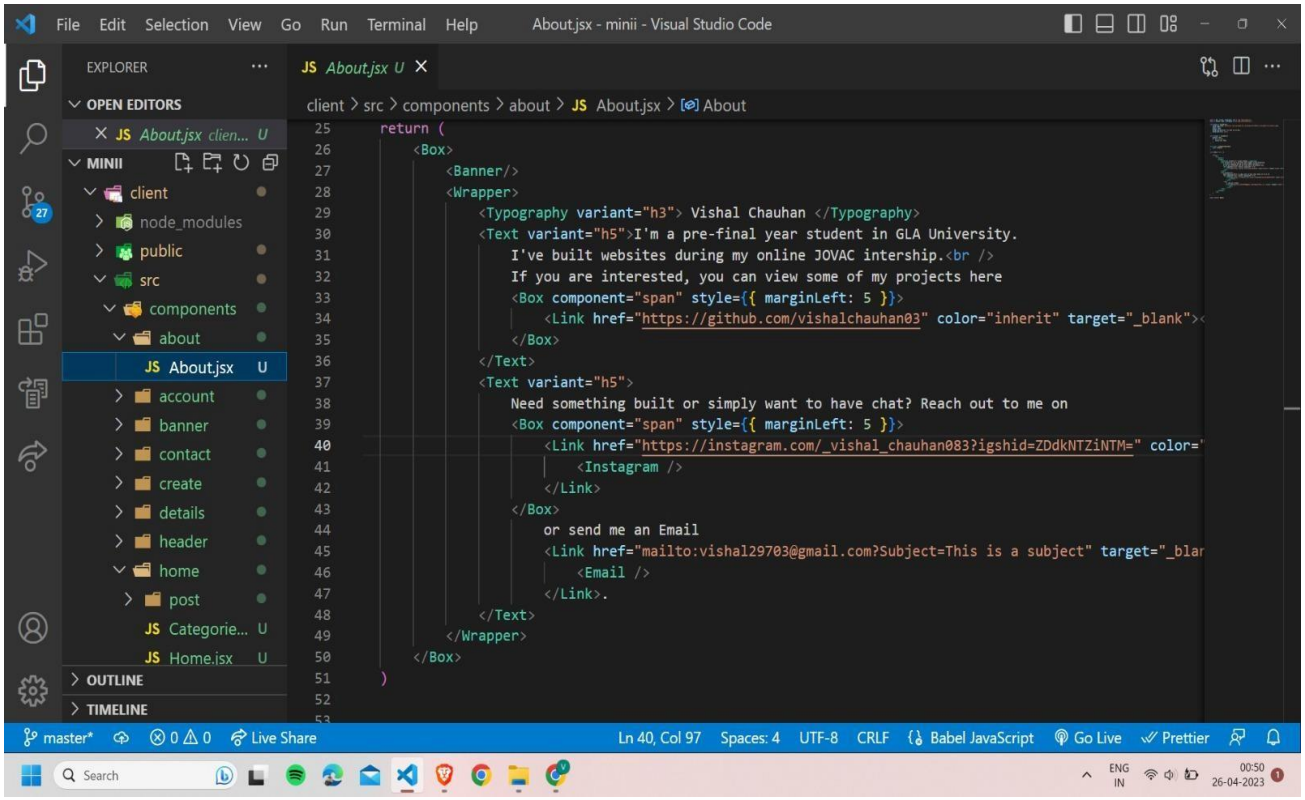
Source Code Of The Project



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I've built websites during my online JOVAC intership.
If you are interested, you can view some of my projects here
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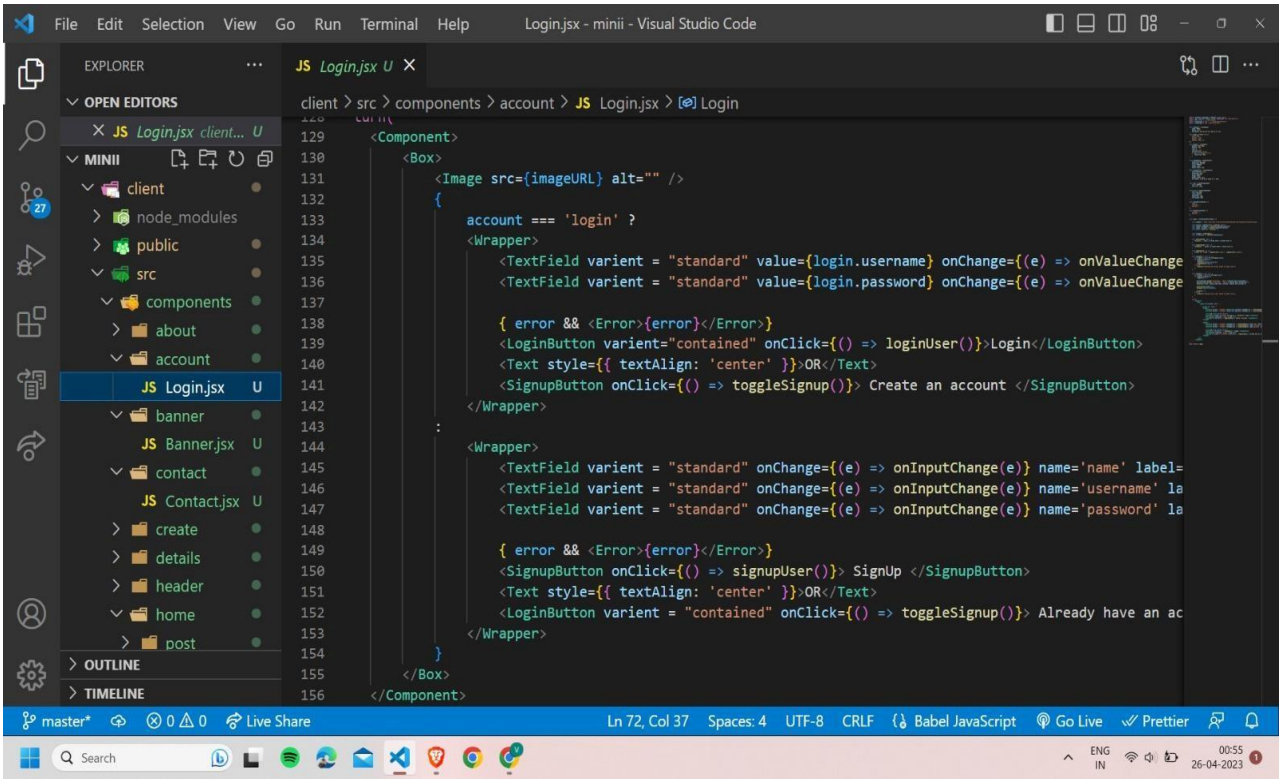
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Conclusion

While developing the system a conscious effort has been made to create and develop a software package, making use of available tools, techniques and resources that would generate a proper system for cases.

While making the system, an eye has been kept on making it as user-friendly. As such one may hope that the system will be acceptable to any user and will adequately meet his/her needs. As in case of any system development process where there are a number of short comings, there have been some.

our web development project, "Blogging Website," has leveraged cutting-edge technologies such as MongoDB, React, JavaScript, Node.js, and HTML to create a dynamic and robust platform for bloggers. MongoDB has provided a flexible and scalable database solution for storing and retrieving blog content in a JSON-like format. React and JavaScript have enabled us to build a responsive and interactive user interface for seamless user experience. Node.js has powered the server-side logic, handling requests and responses efficiently with its event-driven, non-blocking I/O. HTML has been used for structuring and presenting content on the web. The combination of these technologies has resulted in a feature-rich blogging website that delivers a modern and engaging experience for bloggers and readers alike.