SCTR's Pune Institute of Computer Technology
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WADL MINI PROJECT REPORT ON

"TechSavvy Blogs"

Submitted By

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ABSTRACT

Creating engaging and impactful blogs requires a platform that empowers writers to express their thoughts and ideas effectively. Our website provides a user-friendly environment for bloggers to craft compelling content that resonates with their audience. With a focus on seamless interface and intuitive tools, writers can unleash their creativity without being hindered by technical complexities.

Our platform offers a range of features designed to enhance the blogging experience. From customizable templates to interactive media integration, bloggers can bring their stories to life in unique and immersive ways. Additionally, robust error handling and proactive support ensure a reliable and hassle-free writing environment, allowing bloggers to focus on their craft without interruptions.

Blogging remains a vital tool for individuals and businesses to share insights, experiences, and expertise. By leveraging our platform, writers can tap into the power of storytelling to connect with readers, build communities, and establish thought leadership. Integration with social media sharing and search engine optimization tools further amplifies the reach and impact of each blog post, empowering writers to make a lasting impression in the digital landscape.

In a world driven by content, our platform equips bloggers with the tools and support they need to thrive in the competitive blogging sphere. Whether it's personal storytelling, professional expertise, or niche interests, our website serves as the canvas for every writer to make their mark and leave a lasting impression in the online world.

INTRODUCTION

In the ever-evolving digital landscape, the art of blogging stands as a powerful medium for individuals and businesses to share their stories, insights, and expertise with the world. Our platform is dedicated to providing a seamless and enriching environment for writers to craft compelling blogs that resonate with their audience. With a focus on user experience and innovative tools, we empower bloggers to unleash their creativity and engage with their readers in meaningful ways.

Our website offers a diverse array of features tailored to enhance the blogging experience. From customizable templates to seamless multimedia integration, writers can bring their ideas to life in captivating and immersive ways. Furthermore, our platform prioritizes robust error handling and proactive support, ensuring a reliable and uninterrupted writing experience for bloggers to focus on their content without distractions.

Blogging remains a cornerstone of digital communication, allowing individuals and businesses to connect with their audience, build communities, and establish thought leadership. By leveraging our platform, writers can harness the power of storytelling to make a lasting impact in the digital sphere. Integration with social media sharing and search engine optimization tools further amplifies the reach and influence of each blog post, empowering writers to leave a lasting impression in the online realm.

In a world driven by content, our platform serves as the canvas for every writer to express their ideas, share their experiences, and make a meaningful impact. Whether it's personal narratives, professional insights, or niche interests, our website is dedicated to providing a dynamic and supportive space for every blogger to thrive and connect with their audience.

LITERATURE SURVEY

Sr No.	Title	Authors	Year of Publication
1	Simplifying Web Application Development Using - Mean Stack Technologies	Bakwa D. Dunka, Edim A. Emmanuel, Dantala O. Oyerinde	January 2018
2	Mean Stack Web Development	Logesh, Karthika	May 2020
3	The MEAN Stack	Mr. Ninaad Nirgudkar1, Ms. Pooja Singh2	May 2017

IMPLEMENTATION DETAILS

Web technologies used:
- React.js
- Node.js
- Express
- MongoDB
- Redux Toolkit
- JSON Web Tokens (JWT) for authentication
- Google OAuth integration
- Tailwind CSS for styling
- React Router Dom for navigation
- Redux Persist for state persistence
- Render platform for deployment

Frontend development

- Setting up React.js and Tailwind CSS
- Navigation using React Router Dom for dynamic pages
- Authentication implementation with JWT and Google OAuth
- State management with Redux Toolkit
- Implementation of dark mode functionality
- Creating UI components like headers, footers, sign up, sign in, dashboard, profile, posts, comments, etc.
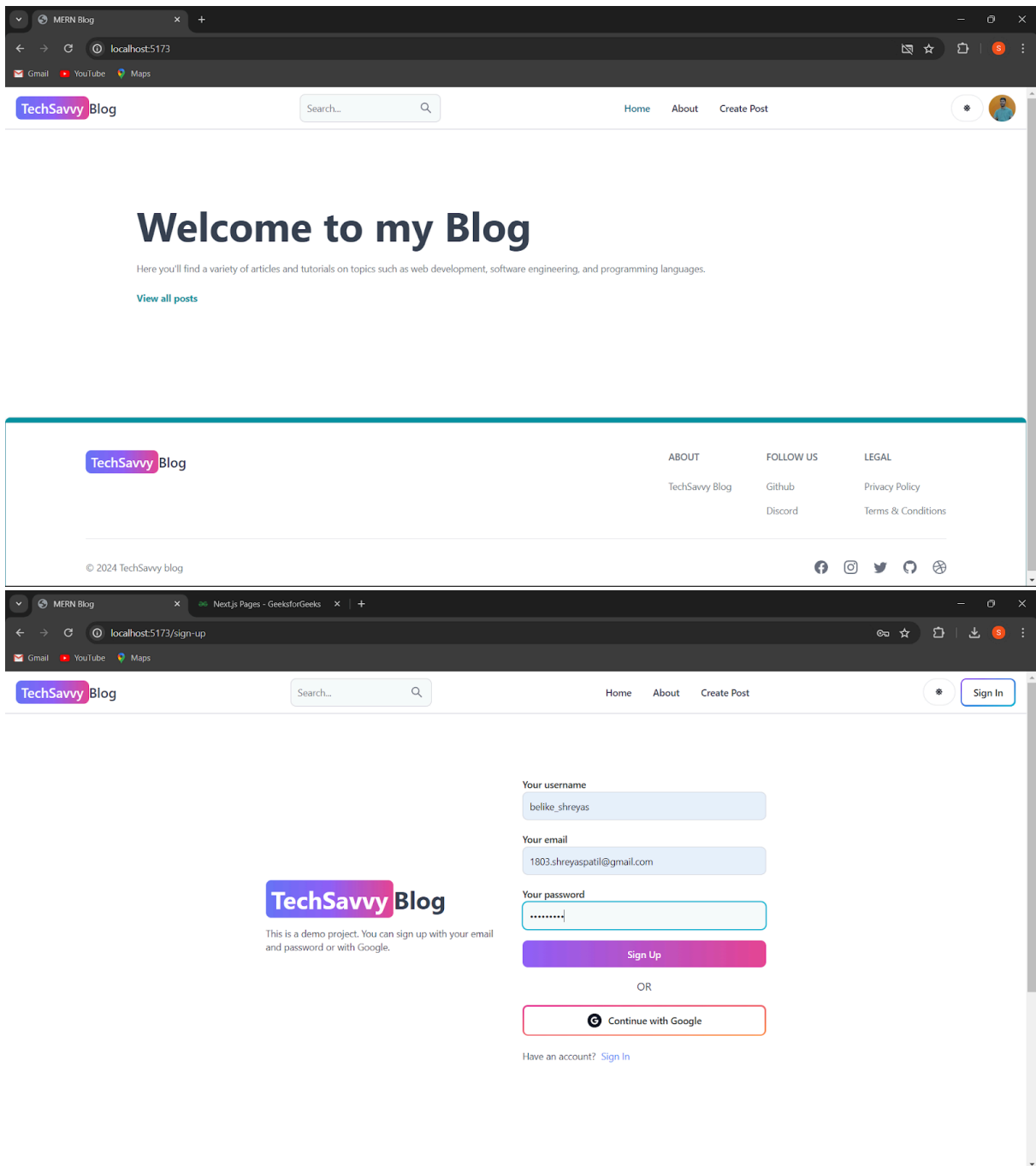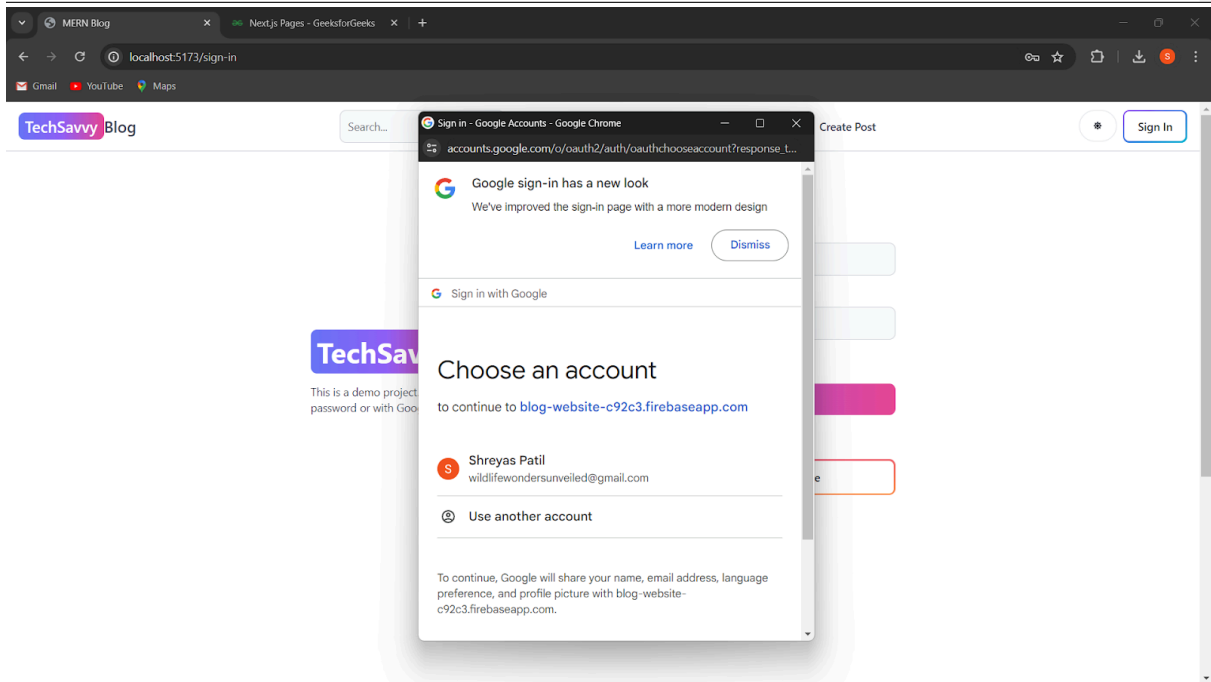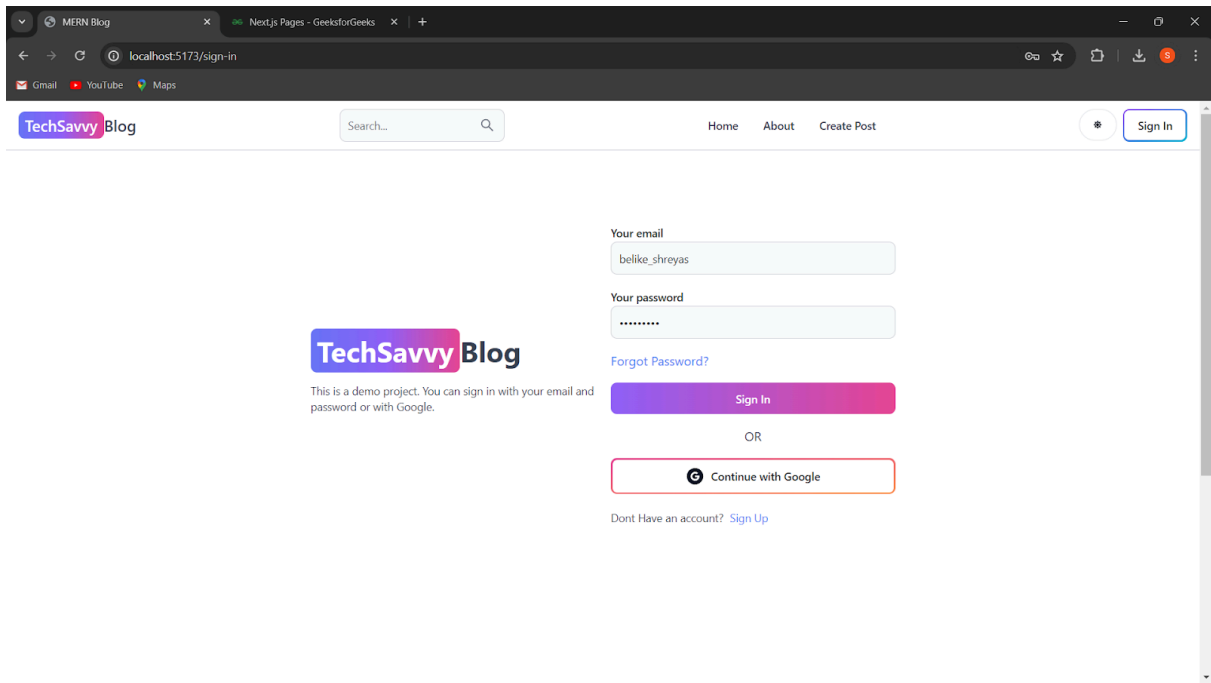- Adding advanced search functionality

Backend development
- Setting up the Node.js server
- Connecting to the MongoDB database
- Creating API routes for user authentication, user management (signup, sign in, update profile, delete account), post management (create, update, delete), comment management (create, update, delete), etc.
- Implementing middleware for error handling
- Securing specific pages like the admin dashboard
- CRUD operations for managing posts, comments, and users in the MongoDB database
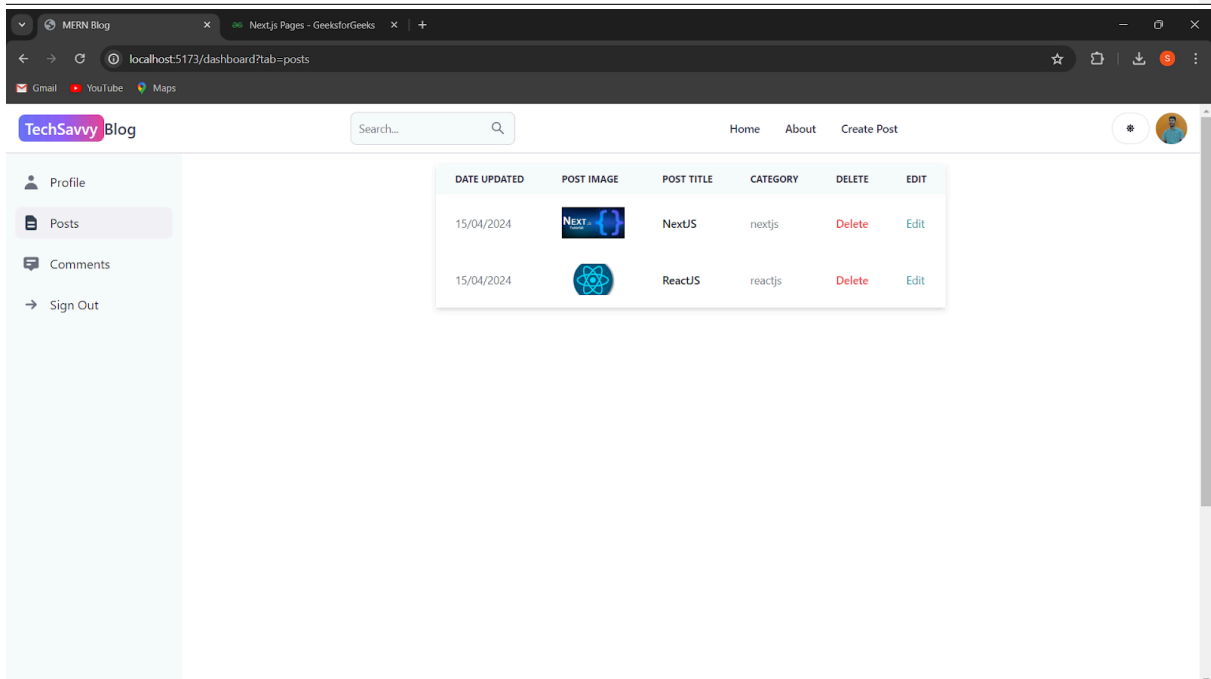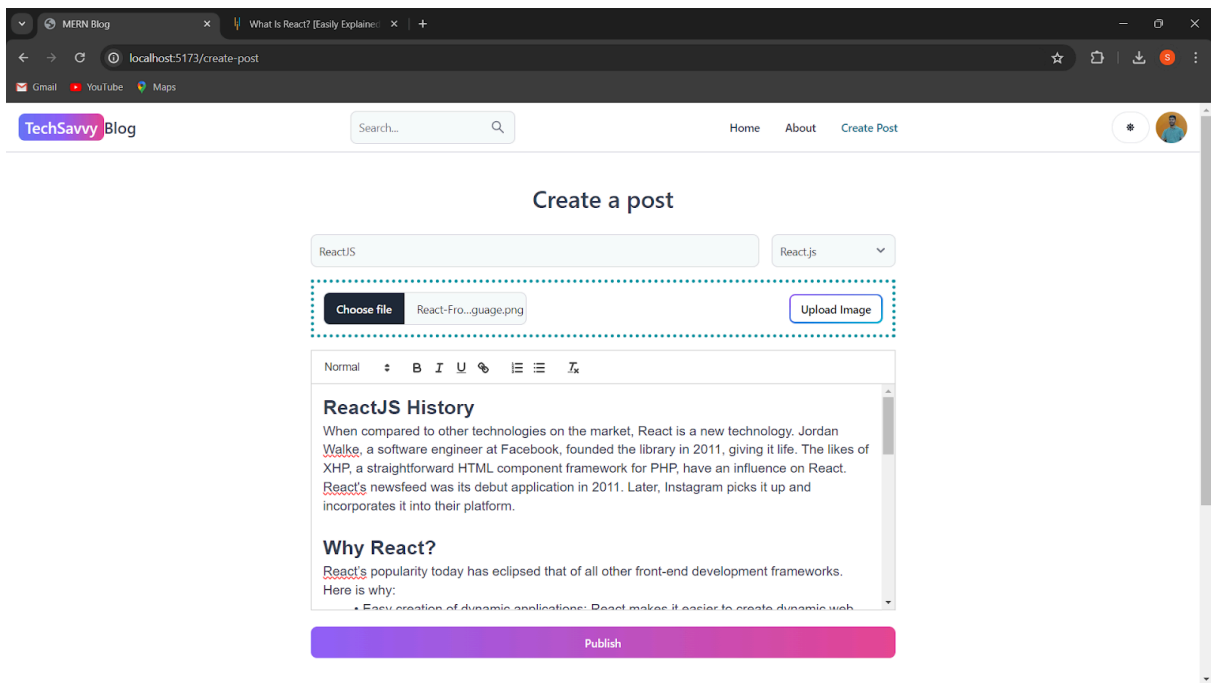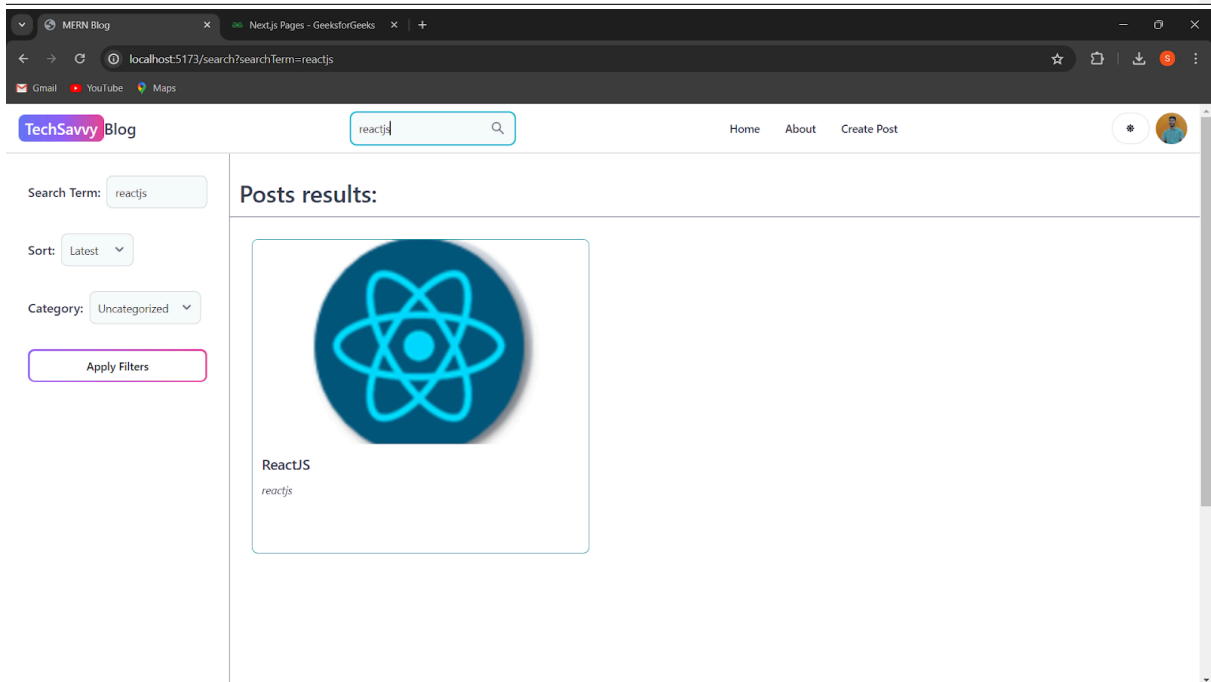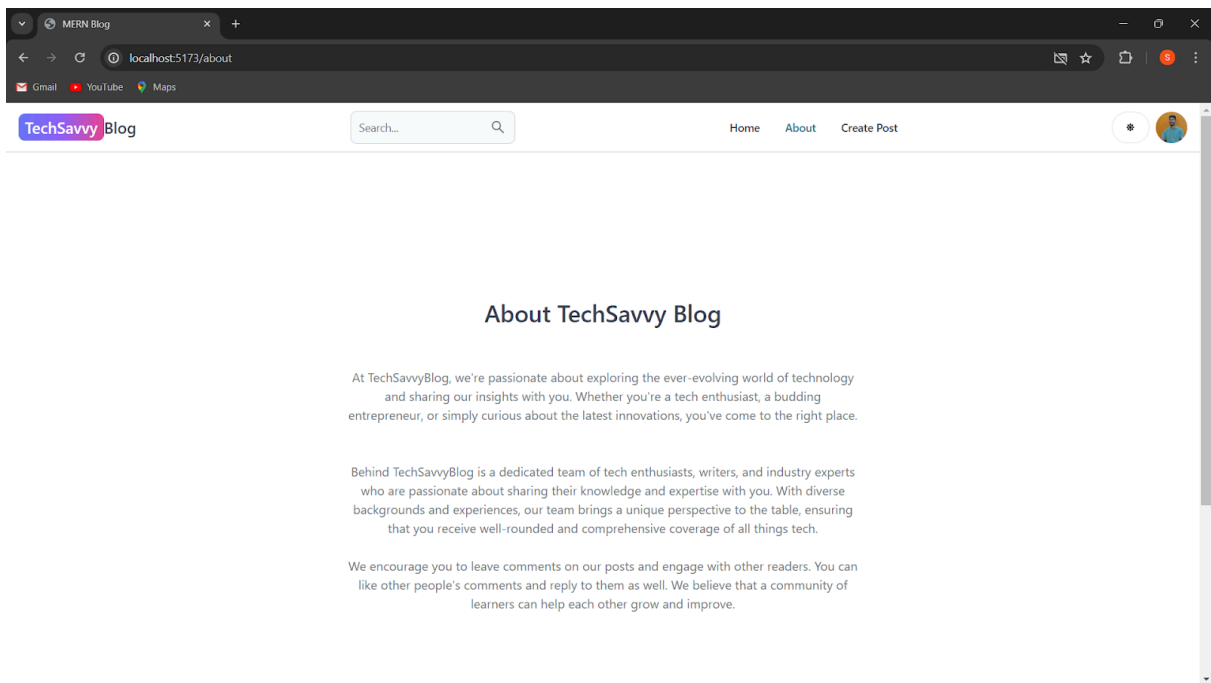
Integration
- Integration of frontend and backend for seamless communication
- Integration of Redux Toolkit for state management
- Integration of Google OAuth for authentication
- Integration of Tailwind CSS for styling
- Integration of React Router Dom for navigation
- Integration of Redux Persist for state persistence
- Integration of Render platform for deployment

TechSavvy Blog   Search...   Home   About   Create Post

Create a post

ReactJS   React.js

Choose file   React-Fro...guage.png   Upload Image

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ReactJS History
When compared to other technologies on the market, React is a new technology. Jordan Walke, a software engineer at Facebook, founded the library in 2011, giving it life. The likes of XHP, a straightforward HTML component framework for PHP, have an influence on React. React's newsfeed was its debut application in 2011. Later, Instagram picks it up and incorporates it into their platform.

Why React?
React's popularity today has eclipsed that of all other front-end development frameworks. Here is why:
• Easy creation of dynamic applications: React makes it easier to create dynamic web

Publish

TechSavvy Blog   Search...   Home   About   Create Post

👤 Profile

📄 Posts

💬 Comments

➡ Sign Out

DATE UPDATED	POST IMAGE	POST TITLE	CATEGORY	DELETE	EDIT
15/04/2024	NEXT	NextJS	nextjs	Delete	Edit
15/04/2024	⚛	ReactJS	reactjs	Delete	Edit

CONCLUSION

In the realm of blogging, the significance of user-generated content cannot be overstated. As a platform for sharing ideas, experiences, and expertise, a blog holds the potential to captivate, inform, and influence diverse audiences across the digital landscape. By offering a space for individuals to express their thoughts, insights, and creativity, a blog becomes a dynamic hub of knowledge and interaction. This website aims to provide a seamless and intuitive space for bloggers to unleash their creativity, share their stories, and engage with a global audience. Through an array of user-friendly tools and features, bloggers can craft compelling narratives, share valuable perspectives, and connect with like-minded individuals, thus fostering a vibrant community of content creators and readers. By embracing the power of blogging, users can not only express themselves but also contribute to a rich tapestry of diverse voices, ideas, and experiences, shaping the digital discourse and leaving a lasting impact on the online world.

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