Project Presentation of Exploratory Project (CS-302)

On

PEEPPOST

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Introduction

Overview of PEEPPOST: PEEPPOST is a dynamic social media platform designed specifically to cater to the unique needs of all the users. It serves as a digital hub where people can connect, communicate, and collaborate on various aspects of life.

Objective: The primary objective of PEEPPOST is to enhance communication and community among users. By providing a centralized platform for interaction, PEEPPOST aims to bridge the gap between people, streamline organizational processes, and foster a sense of belonging within the community.

Key Features: PEEPPOST offers a comprehensive set of features designed to facilitate seamless communication and knowledge sharing. These include user profiles for personalization, a dynamic news feed for updates and announcements, group and event management functionalities, direct messaging for private communication, resource sharing for academic materials, and a dedicated forum for campus tips and hacks. Together, these features create a vibrant and engaging platform that enriches the experience for users.

Background

CHITKARA UNIVERSITY

Manual Processes: Traditional activities such as club recruitment and event organization rely on physical methods, resulting in time-consuming and inefficient processes.

Limited Mentorship: Youngsters lack interaction with seniors, missing out on valuable guidance and insights crucial for navigating life effectively.

Fragmented Communication: Important updates and announcements are scattered across different mediums, making it challenging for people to stay informed about events and activities.

Digital Solution Needed: To address these challenges, there's a clear need for a centralized digital platform like PEEPPOST, which can streamline processes and enhance communication among people.

Problem Statement

- **Inefficiency in Communication**: Manual processes like club recruitment and event advertising lead to inefficiencies, requiring physical presence and extensive time investment.
- **Limited Interaction**: The fragmented nature of communication channels hinders interaction between youngsters and seniors, depriving youngsters of valuable mentorship and guidance.
- **Fragmented Knowledge Sharing**: Practical information like room availability and study tips is informally shared, often inaccessible to all people, hampering effective knowledge dissemination.
- **Digital Solution Needed**: PEEPPOST addresses these issues by providing a centralized digital platform, streamlining processes, and fostering communication and knowledge sharing among people.

SO, WHAT’S THE SOLUTION?

Solution - PEEPPOST

Digital Platform: PEEPPOST provides a digital platform specifically tailored for people, enabling seamless communication and interaction.

Streamlined Processes: Centralized hub for club recruitment, event advertising, and fest organization simplifies processes, saving time and effort for people and organizers.

Enhanced Communication: Features like user profiles, news feed, and direct messaging facilitate communication, fostering a more connected community.

Knowledge Sharing: Dedicated sections for resource sharing and campus tips promote the exchange of practical information and insights among people.

TECHNOLOGY STACK

- Backend: Node.js, Express.js
- Frontend: React.js, HTML, CSS, JavaScript
- Database: MongoDB
- Tools: Postman, VS Code, NPM

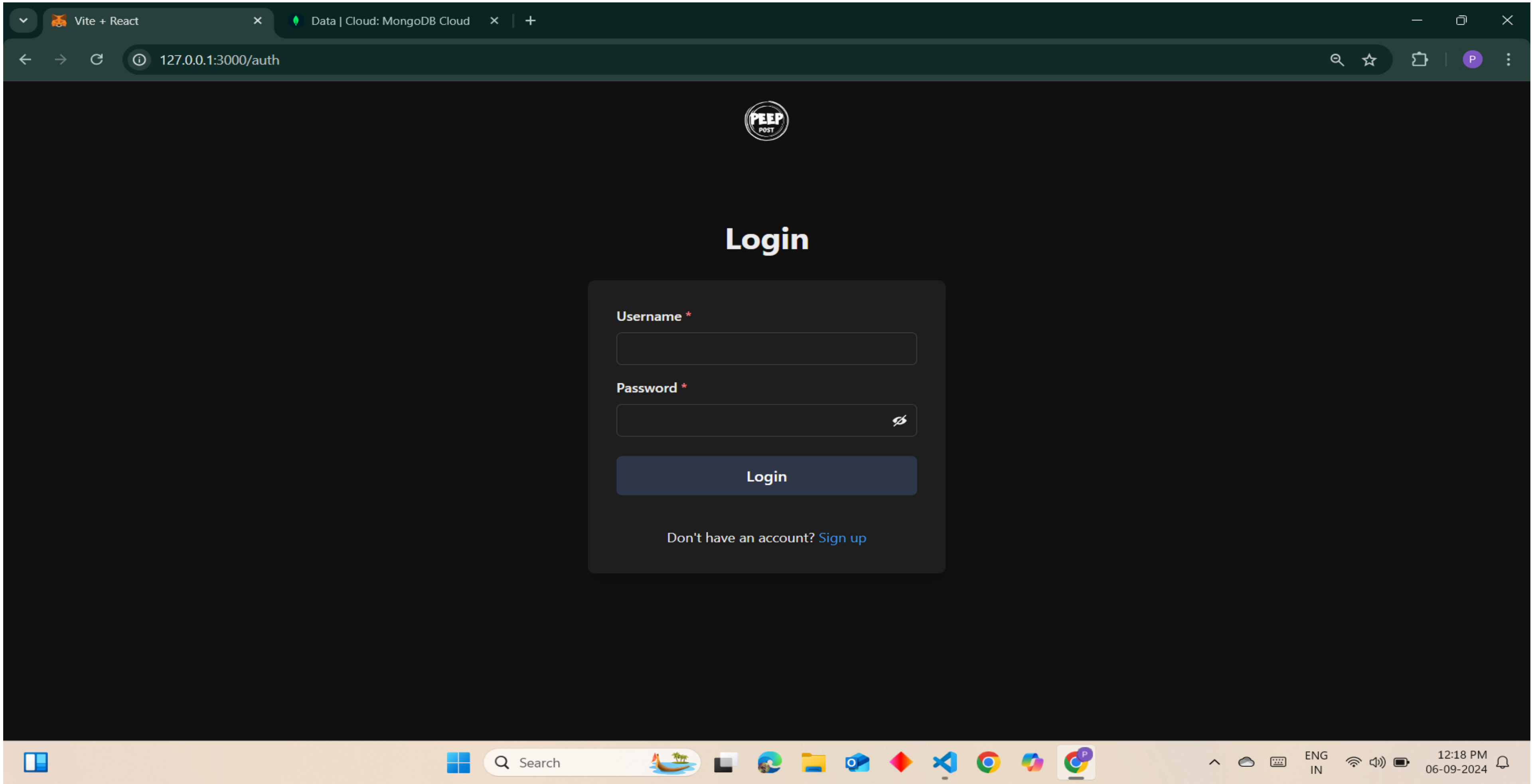
KEY FEATURES OF PEEPPOST

- **User Profiles**: Personalized user profiles
- **Tweet Feed**: Dynamic updates and announcements
- **Direct Messaging**: Private communication
- **Resource Sharing**: Day to Day Media
- **Community Tips**: Forum for practical information

Future Scope.

- Integration with administrative systems
- AI-driven recommendations for personalized experiences
- Enhanced security features
- Continuous evolution based on user feedback and technological advancements

Work done till now…



Vite + React

Data | Cloud: MongoDB Cloud

127.0.0.1:3000/auth

Login

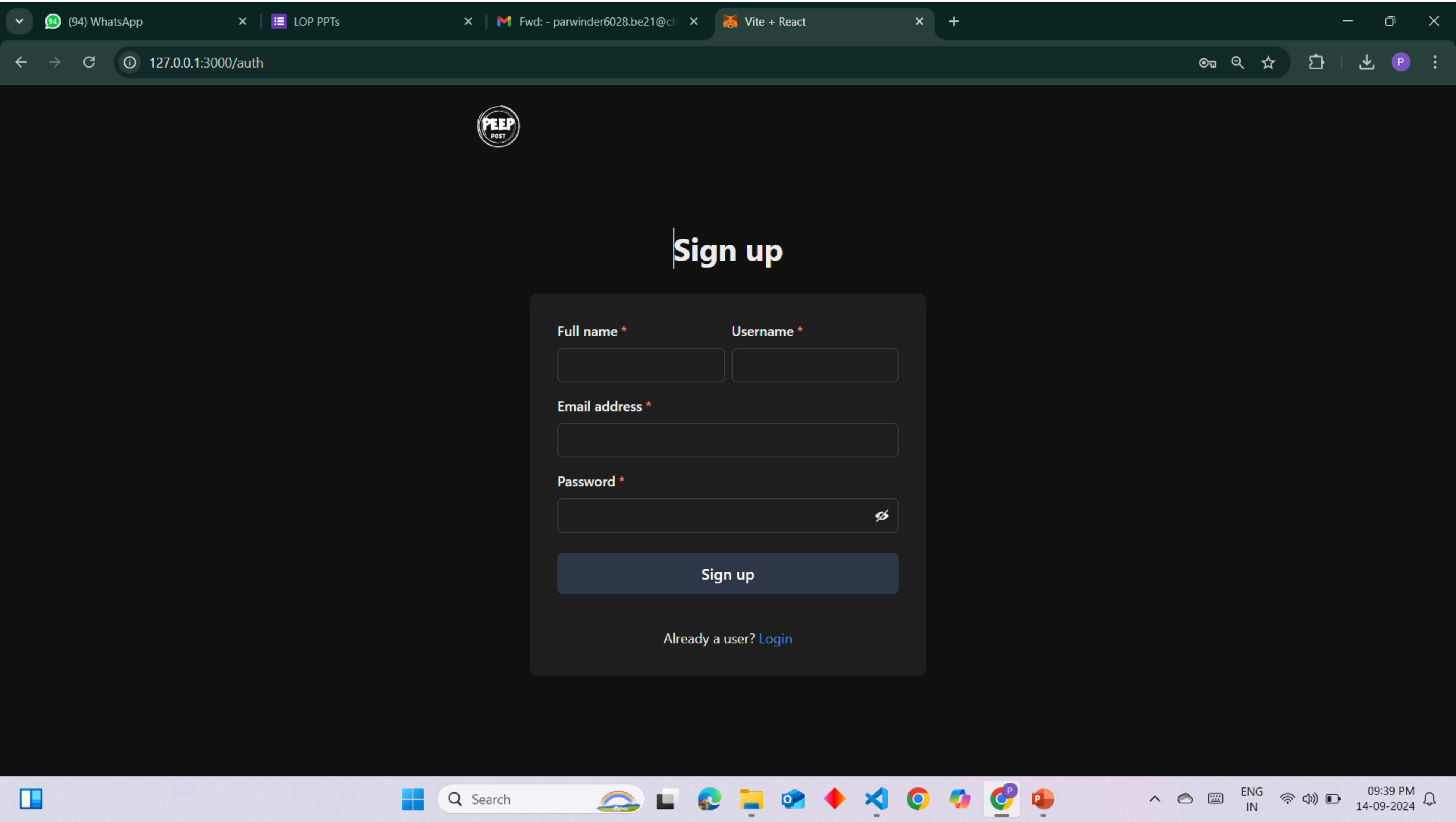
Username *

Password *

Login

Don't have an account? Sign up

Login Form: The screenshot displays a user registration form. Users can input their details, including username, and password. The form likely includes validation checks to ensure data accuracy.



(94) WhatsApp
LOP PPTs
Fwd: - parwinder6028.be21@ch
Vite + React
127.0.0.1:3000/auth

Sign up

Full name *

Username *

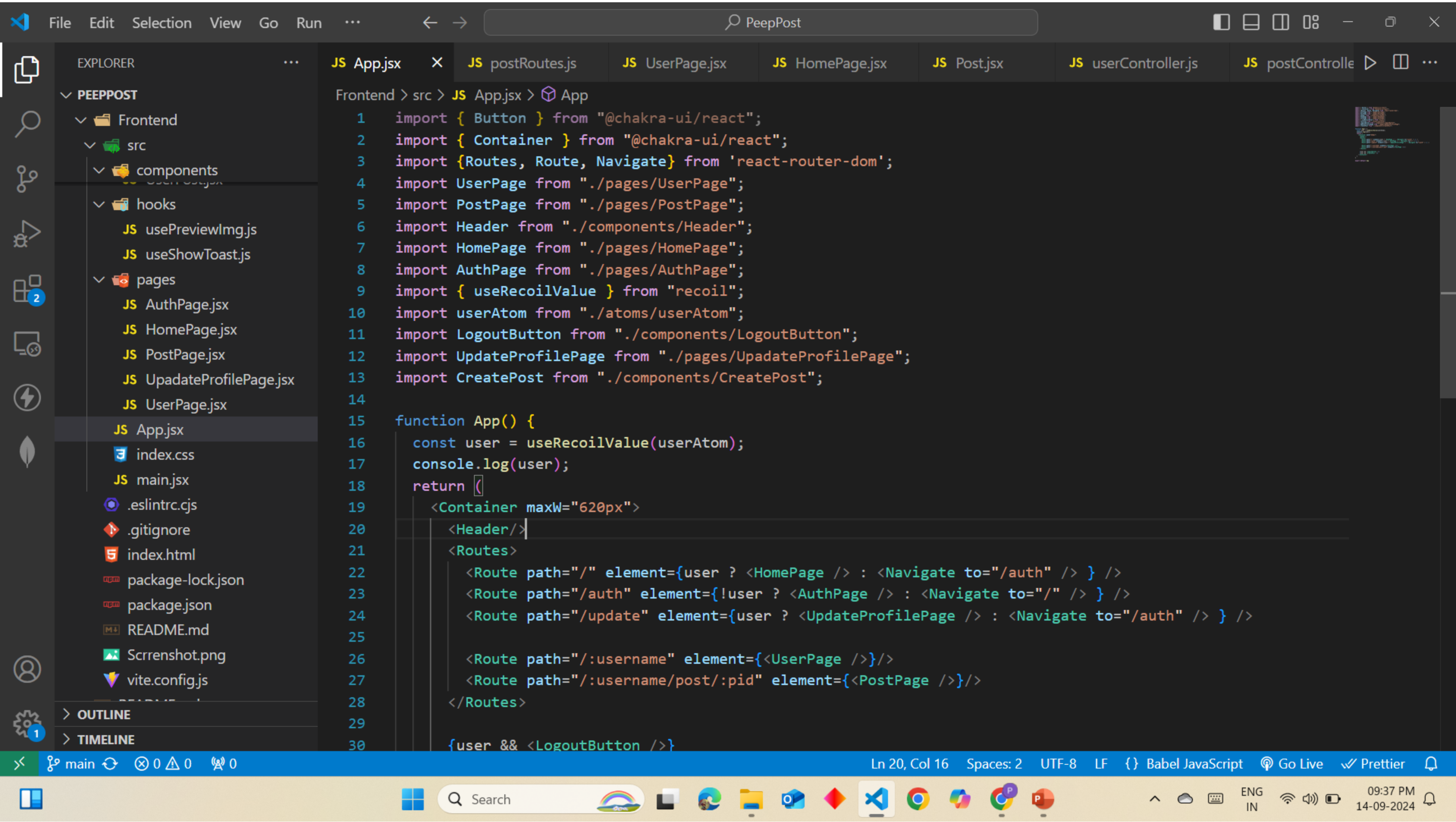
Email address *

Password *

Sign up

Already a user? Login

Sign-Up Form: To create an account, simply provide your full name, username, email address, and password. Click the "Sign Up" button to complete the process.

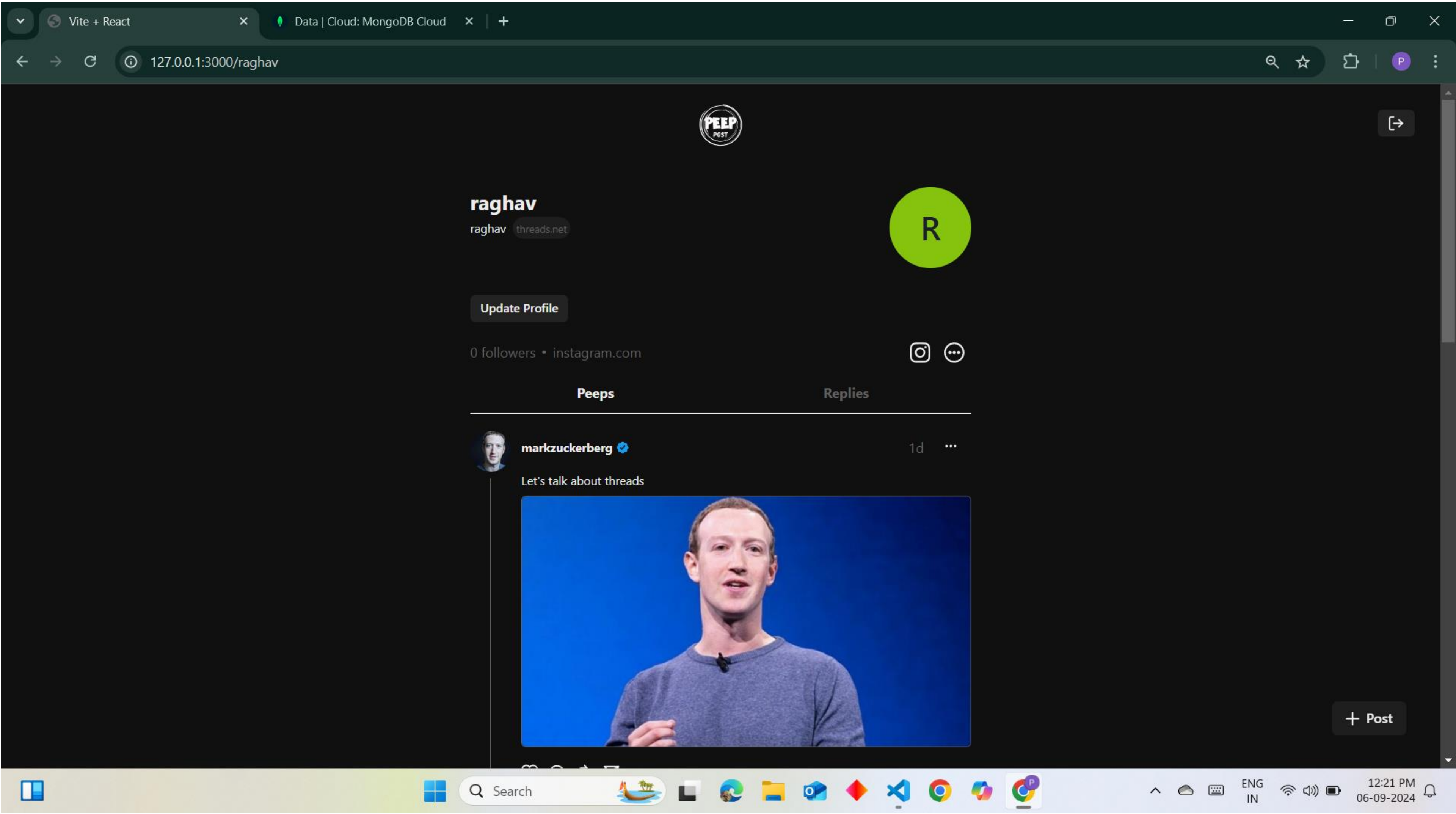


```jsx
import { Button } from "@chakra-ui/react";
import { Container } from "@chakra-ui/react";
import {Routes, Route, Navigate} from 'react-router-dom';
import UserPage from "./pages/UserPage";
import PostPage from "./pages/PostPage";
import Header from "./components/Header";
import HomePage from "./pages/HomePage";
import AuthPage from "./pages/AuthPage";
import { useRecoilValue } from "recoil";
import userAtom from "./atoms/userAtom";
import LogoutButton from "./components/LogoutButton";
import UpdateProfilePage from "./pages/UpadateProfilePage";
import CreatePost from "./components/CreatePost";

function App() {
  const user = useRecoilValue(userAtom);
  console.log(user);
  return (
    <Container maxW="620px">
      <Header/>
      <Routes>
        <Route path="/" element={user ? <HomePage /> : <Navigate to="/auth" /> } />
        <Route path="/auth" element={!user ? <AuthPage /> : <Navigate to="/" /> } />
        <Route path="/update" element={user ? <UpdateProfilePage /> : <Navigate to="/auth" /> } />

        <Route path="/:username" element={<UserPage />}/>
        <Route path="/:username/post/:pid" element={<PostPage />}/>
      </Routes>

      {user && <LogoutButton />}
```



127.0.0.1:3000/raghav

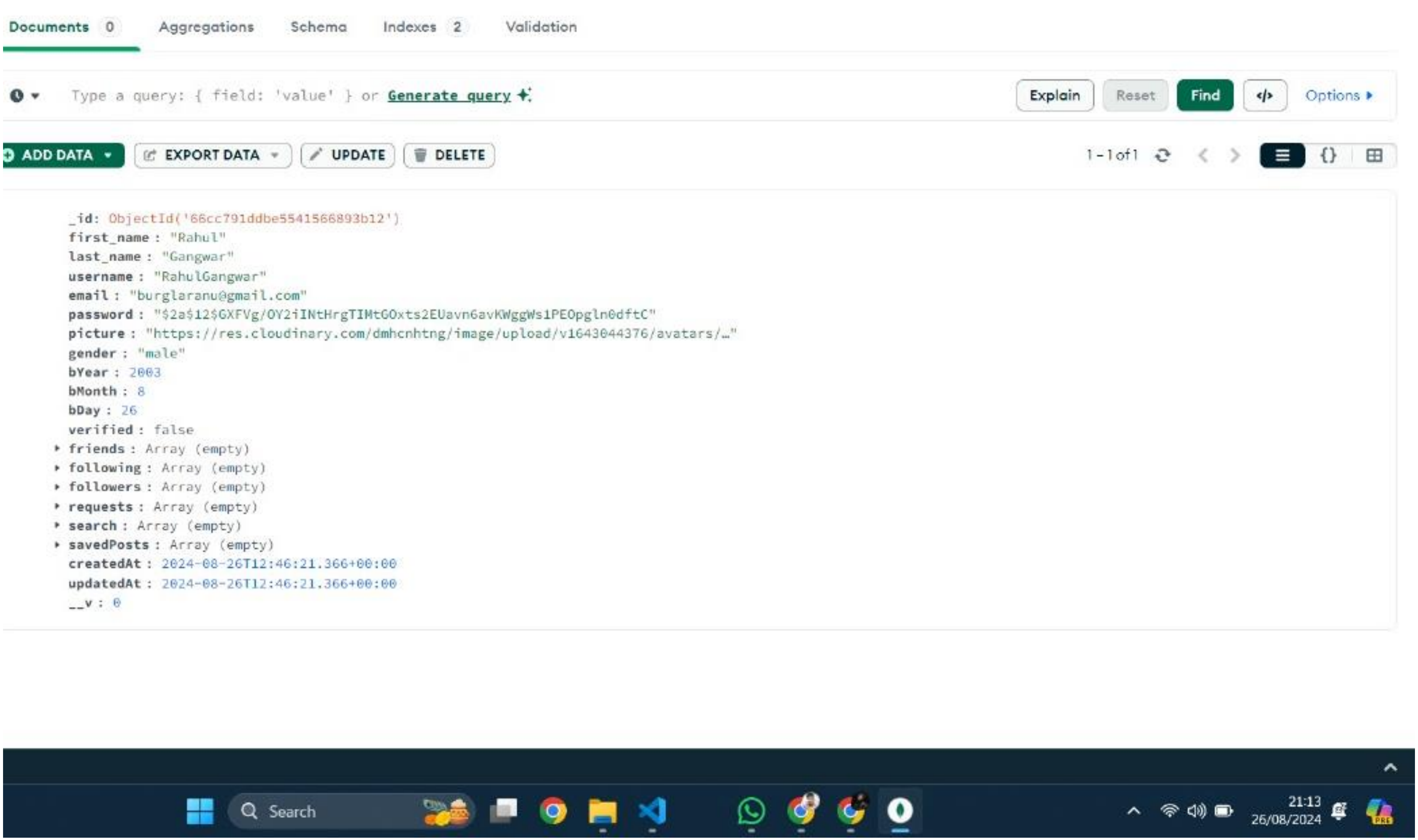
raghav

raghav threads.net

0 followers • instagram.com

markzuckerberg 1d

Let's talk about threads



```
_id: ObjectId('66cc791ddbe5541566893b12')
first_name : "Rahul"
last_name : "Gangwar"
username : "RahulGangwar"
email : "burglaranu@gmail.com"
password : "$2a$12$GXFVg/OY2iINtHrgTIMtGOxts2EUavn6avKWggWs1PEOpgln0dftC"
picture : "https://res.cloudinary.com/dmhcnhtng/image/upload/v1643044376/avatars/…"
gender : "male"
bYear : 2003
bMonth : 8
bDay : 26
verified : false
friends : Array (empty)
following : Array (empty)
followers : Array (empty)
requests : Array (empty)
search : Array (empty)
savedPosts : Array (empty)
createdAt : 2024-08-26T12:46:21.366+00:00
updatedAt : 2024-08-26T12:46:21.366+00:00
__v : 0
```

Thank You