

Social Media Clone

A Project Report

Submitted in partial fulfilment of the requirements for the award of degree of

**B. Tech
(Computer Science & Engineering)**

LOVELY PROFESSIONAL UNIVERSITY

PHAGWARA, PUNJAB



SUBMITTED BY

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Registration Number: 12016272

Course Code: INT 222

Student Declaration

To whom so ever it may concern

I, Chaitanya Prakash, 12016272, hereby declare that the work done by me on “Social Media Clone” from January 2023 to May 2023, under the guidance of “Prof. Isha” is a record of original work for the partial fulfilment of the requirements for the award of the degree, Bachelor of Technology in Computer Science and Engineering.

Chaitanya Prakash

Date: 16/04/2023

Introduction

The social media clone project is a web application developed using Node.js and React.js. The project aims to replicate the core functionalities of popular social media platforms like Twitter and Facebook. This project allows users to create accounts, share posts, follow other users, like, comment, and share posts with others.

Project Scope

The project aims to develop a scalable, reliable, and robust social media platform that can handle large volumes of data and user traffic. The social media clone will have the following core functionalities:

User Registration and Authentication - Users will be able to create accounts and log in to the platform using their email address and password.

User Profile Management - Users will be able to create, edit, and manage their profiles. Users will be able to add their profile picture, bio, and other personal information.

Posting and Sharing - Users will be able to create and share posts on the platform. They can add text, images, and videos to their posts.

Follow and Unfollow - Users will be able to follow other users and receive updates on their activities. They can also unfollow users.

Like and Comment - Users will be able to like and comment on posts made by other users.

Technologies Used

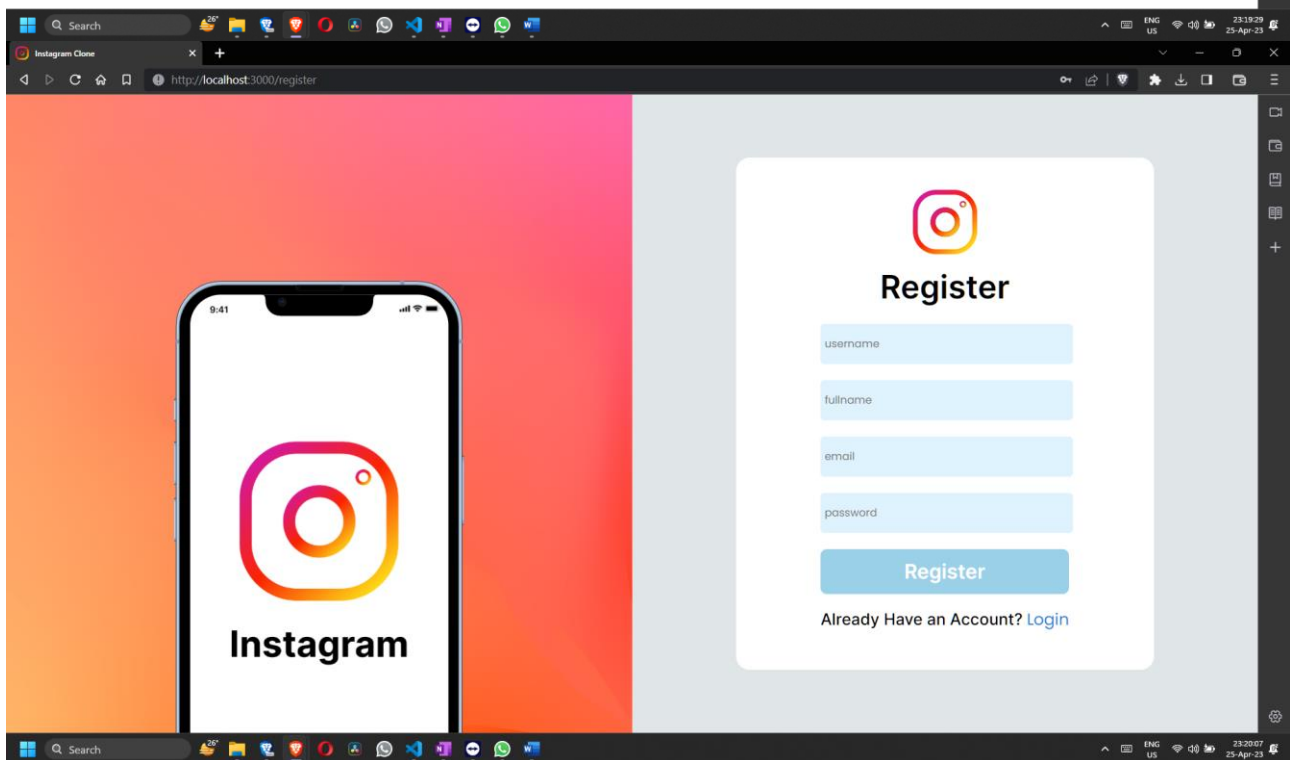
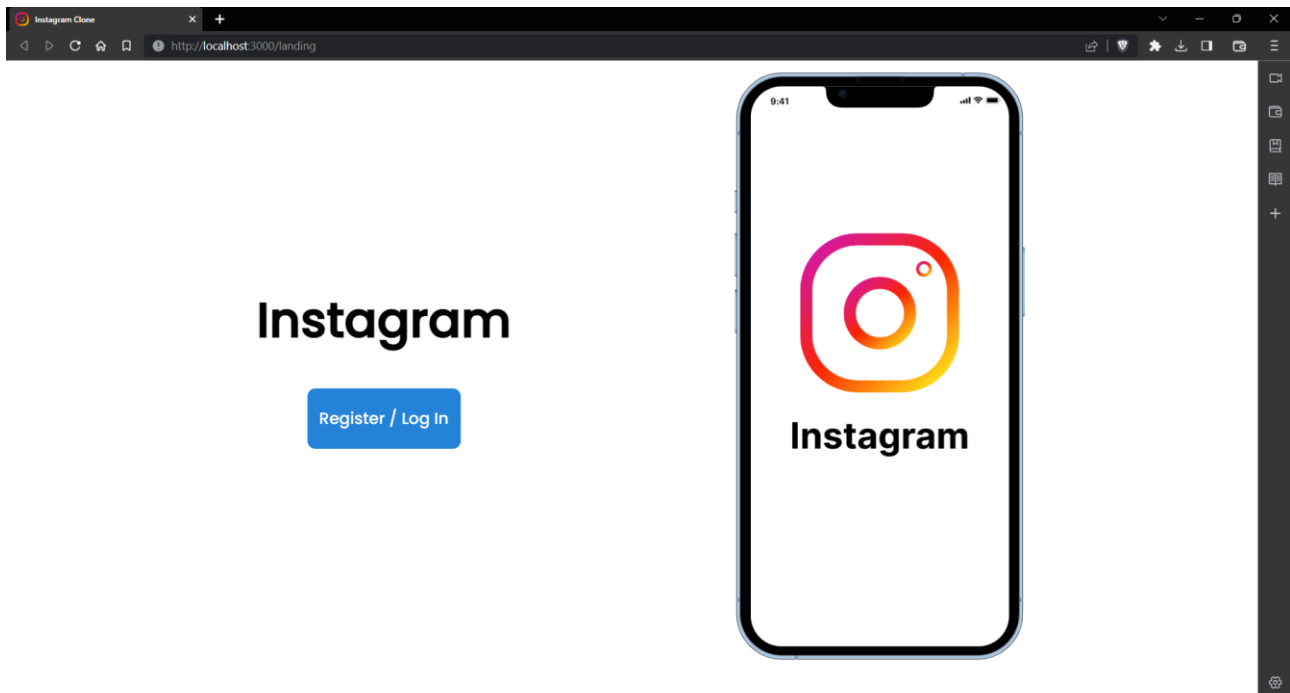
Node.js - Node.js is a popular JavaScript runtime that allows developers to build fast and scalable applications. Node.js will be used to build the server-side application.

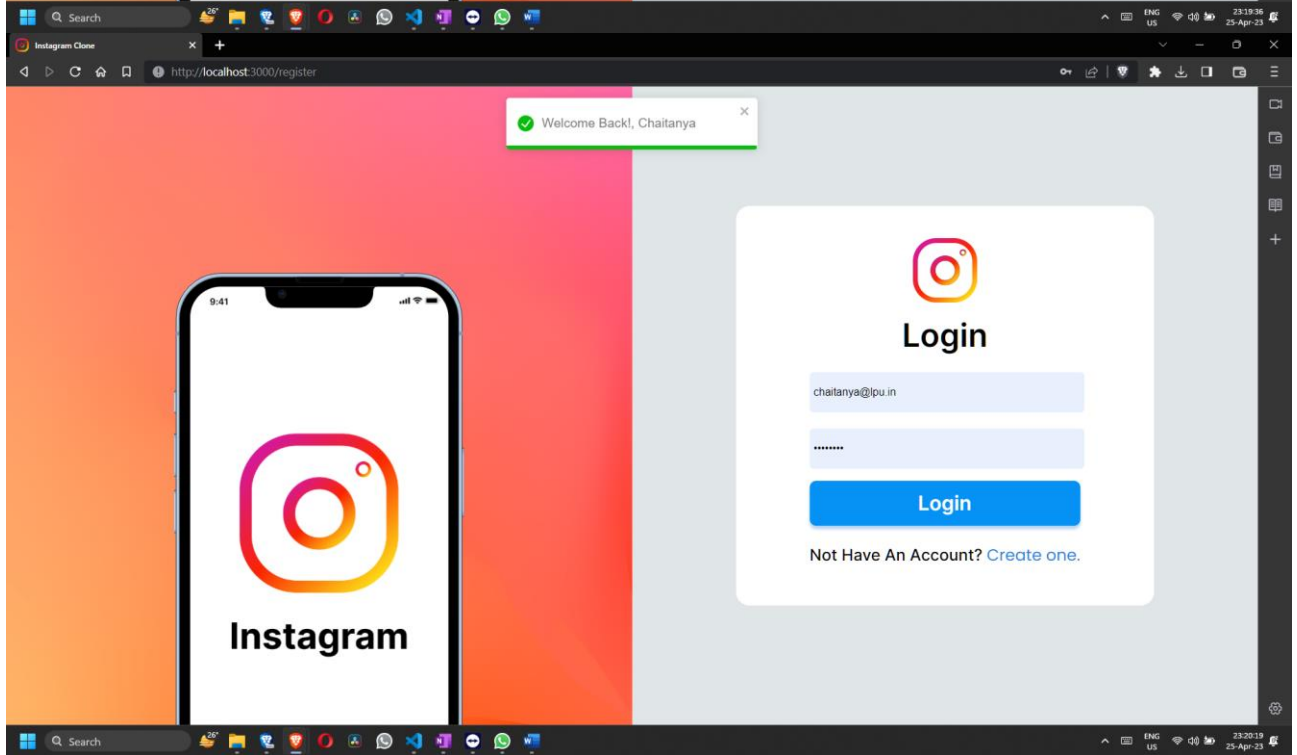
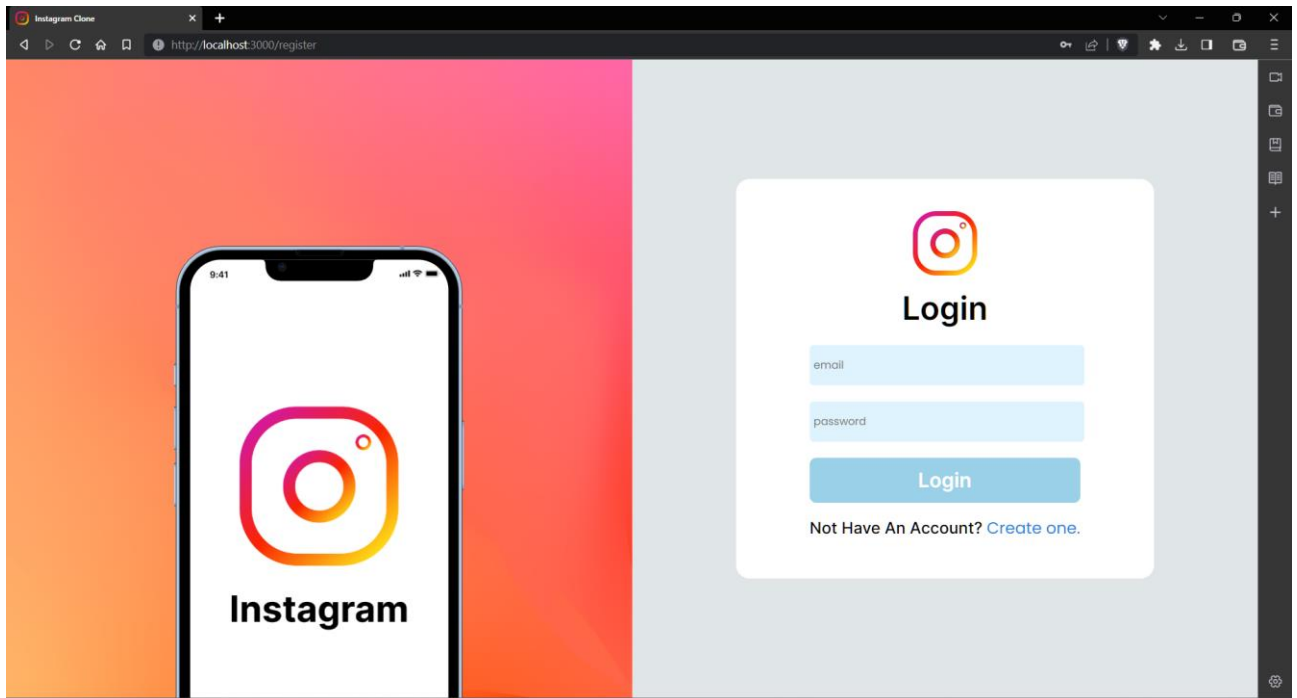
Express.js - Express.js is a popular Node.js web framework used to build server-side applications. Express.js will be used to build the API endpoints for the social media clone.

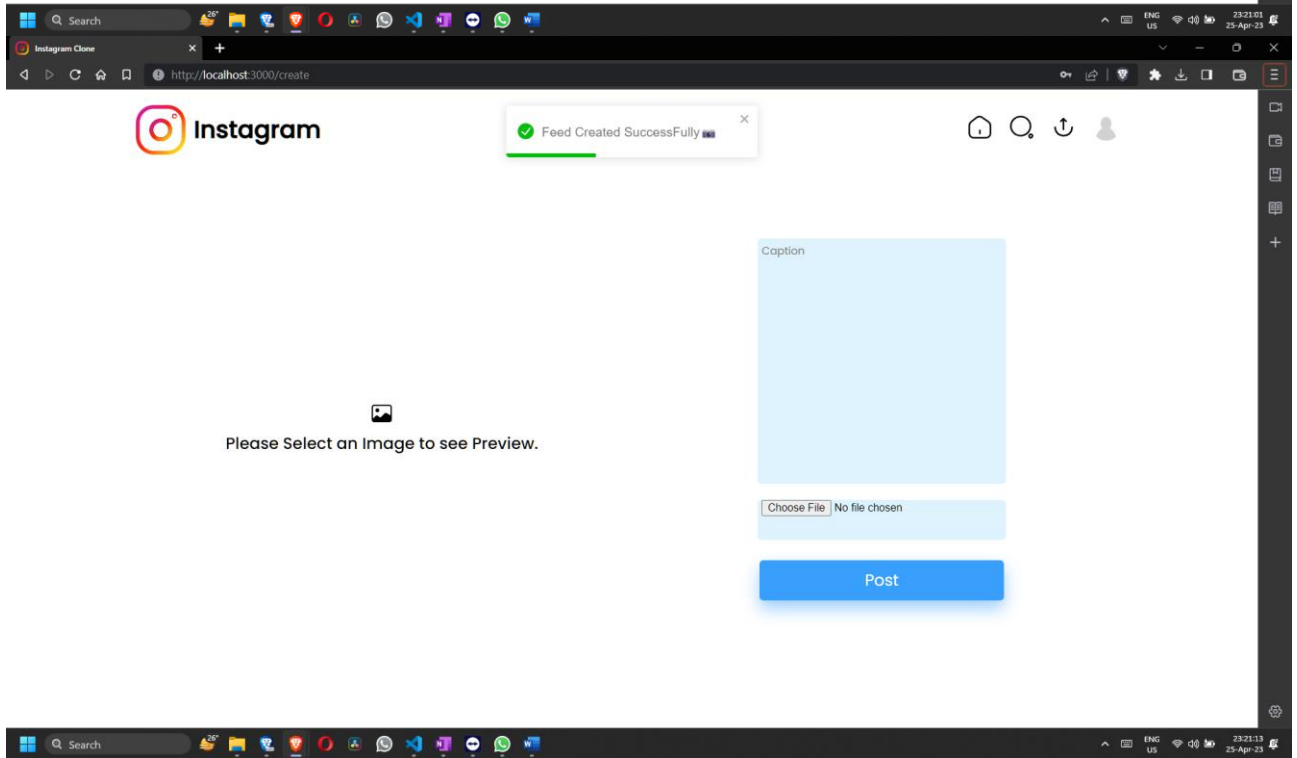
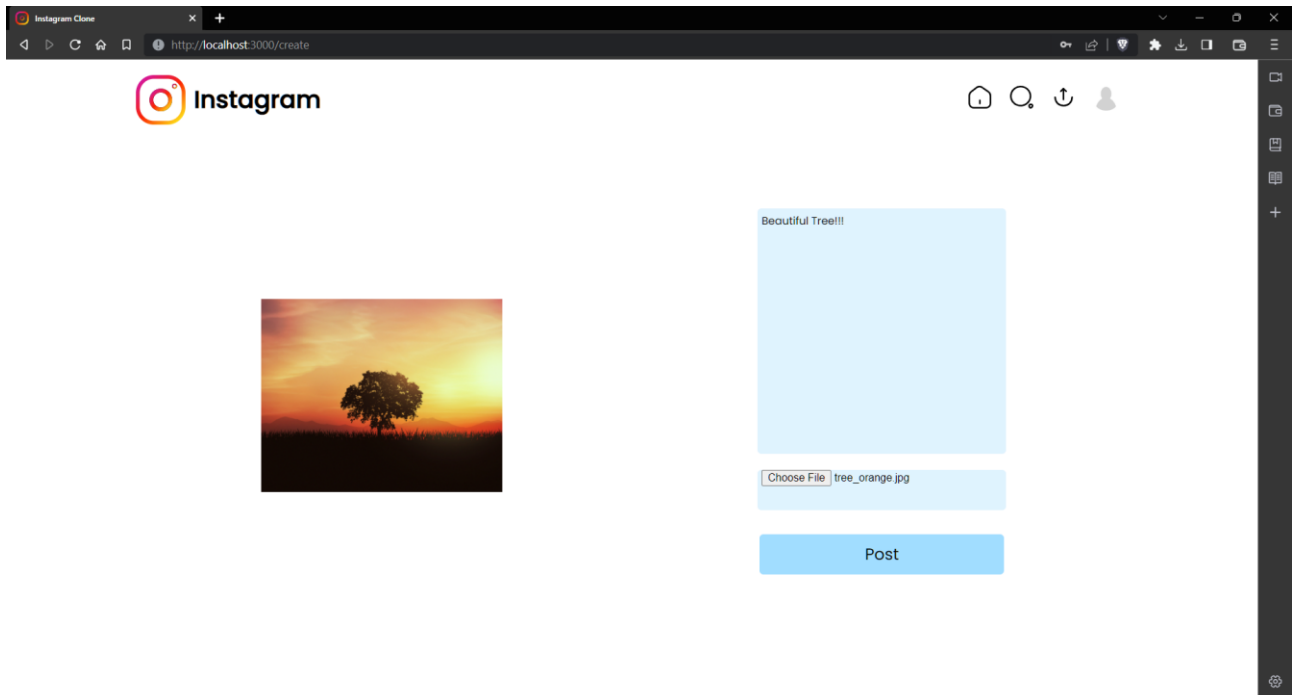
React.js - React.js is a popular JavaScript library used to build user interfaces. React.js will be used to build the client-side application for the social media clone.

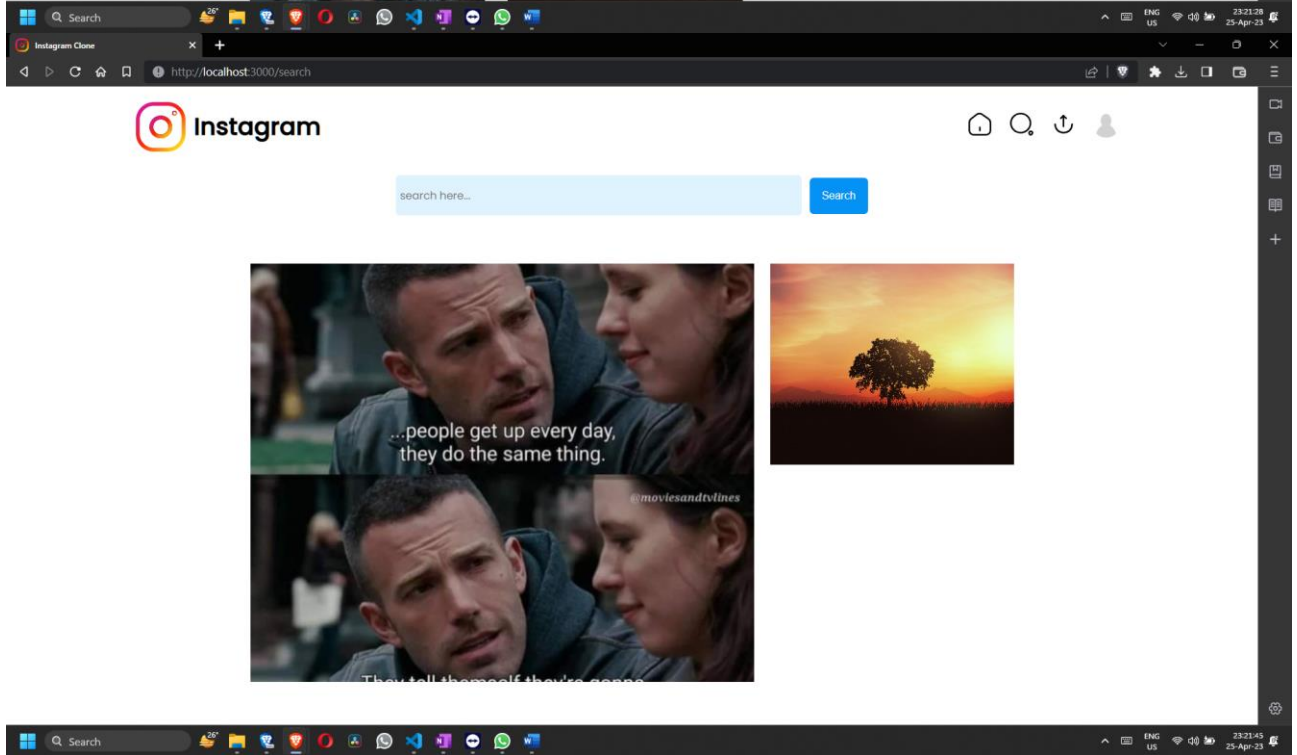
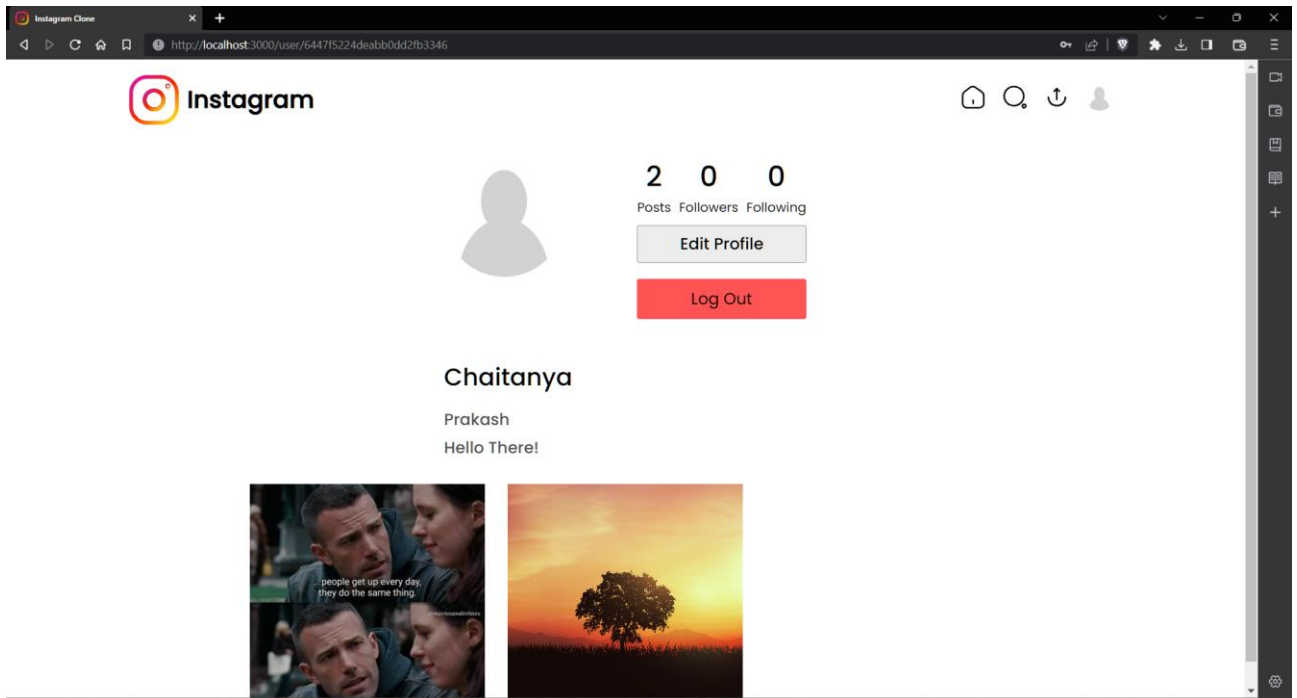
MongoDB - MongoDB is a popular NoSQL database used to store data. MongoDB will be used to store user data, post data, and other data related to the social media clone.

Screenshots









Conclusion

The social media clone project is a challenging project that aims to replicate the core functionalities of popular social media platforms. The project will be developed using Node.js, Express.js, React.js, MongoDB. The project will require a good understanding of web development, RESTful API development, and database design. The final product will be a fully functional social media platform that can handle large volumes of data and user traffic.

GitHub link: <https://github.com/Vivylius/instagram-mern>