## Phase 5 — Project Demonstration & Documentation

### 1. Final Demo Walkthrough

The final demonstration of the Blog Site with Comment Section shows how users can easily browse blog posts, read full articles, and share their opinions through comments. Each post includes a comment section where users can enter their name and message. Once submitted, the comment appears instantly below the post and is stored properly. The website runs smoothly with a responsive layout and simple navigation. Overall, the demo confirms that all features function correctly and provide a user-friendly blogging experience.

### 2. Project Report

Project Name: Blog Site with Comment Section

Objective: To develop a user-friendly blog website where visitors can read articles, share opinions, and post comments. The goal is to create a clean, responsive platform for interactive blogging and community engagement.

Tech Stack:

- HTML5 – For web page structure and layout
- CSS3 – For styling and responsive design
- JavaScript – For client-side interactivity and comment handling
- PHP / MySQL – For backend processing and comment storage

Functionality:

- Homepage displaying a list of blog posts

- Each post includes a “Read More” option
- Individual blog pages with a comment section
- Users can submit comments with name and message
- Admin can view or delete comments (optional)
- Responsive design for desktop, tablet, and mobile users

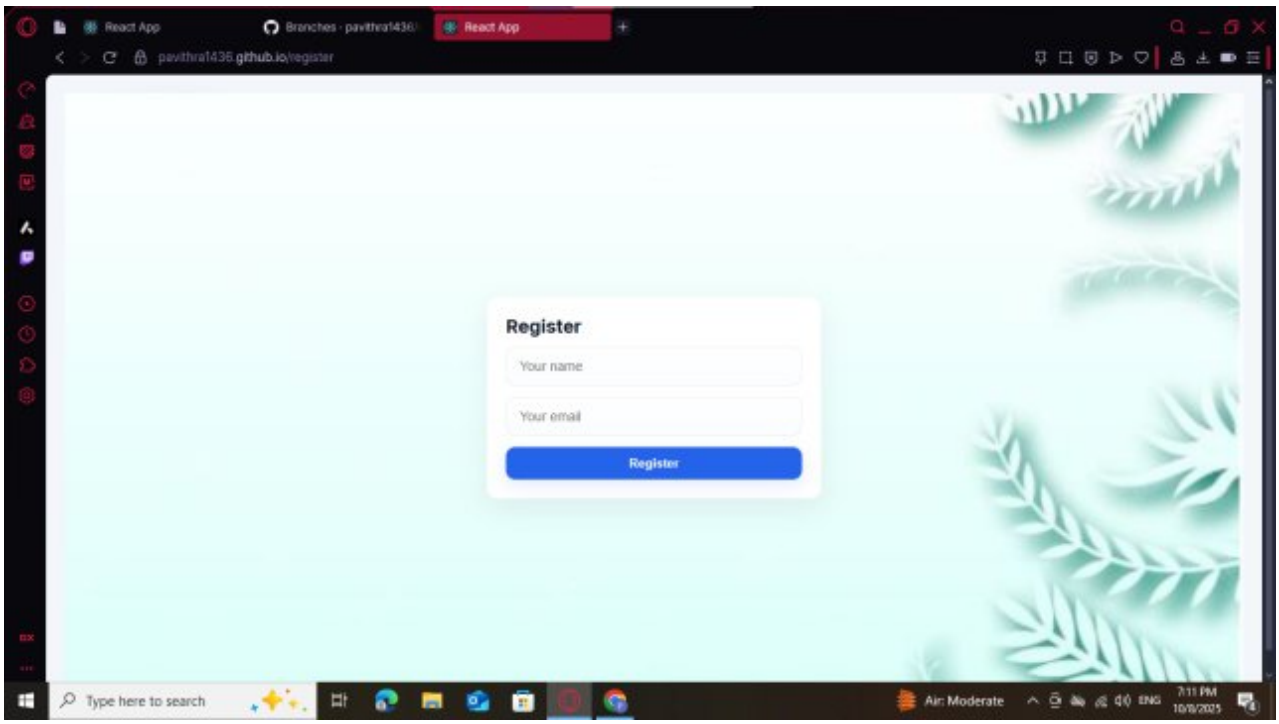
## 3. Screenshots / API Documentation

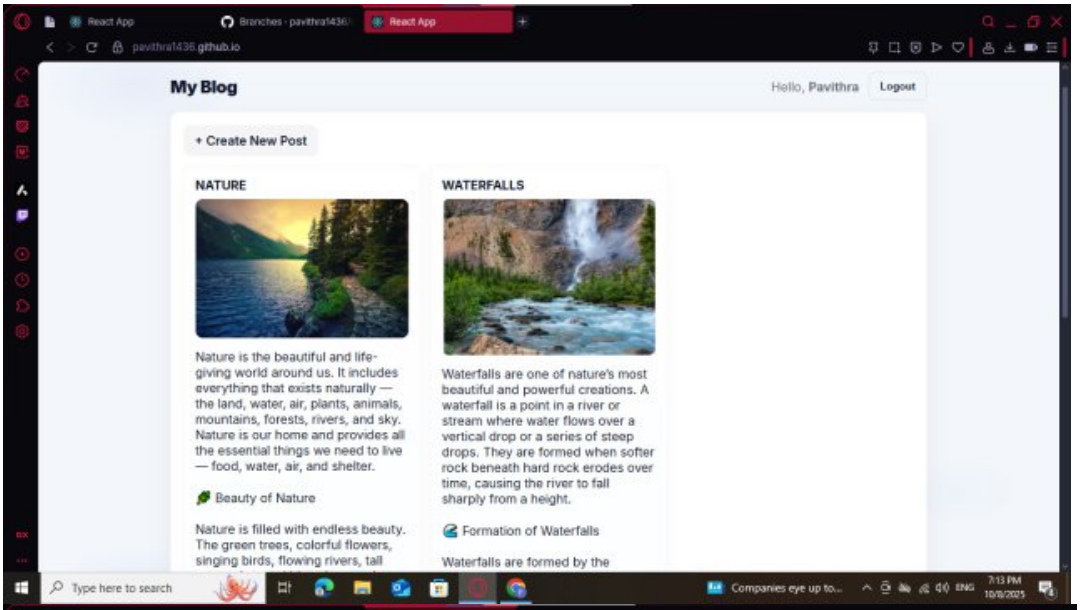
Screenshots:

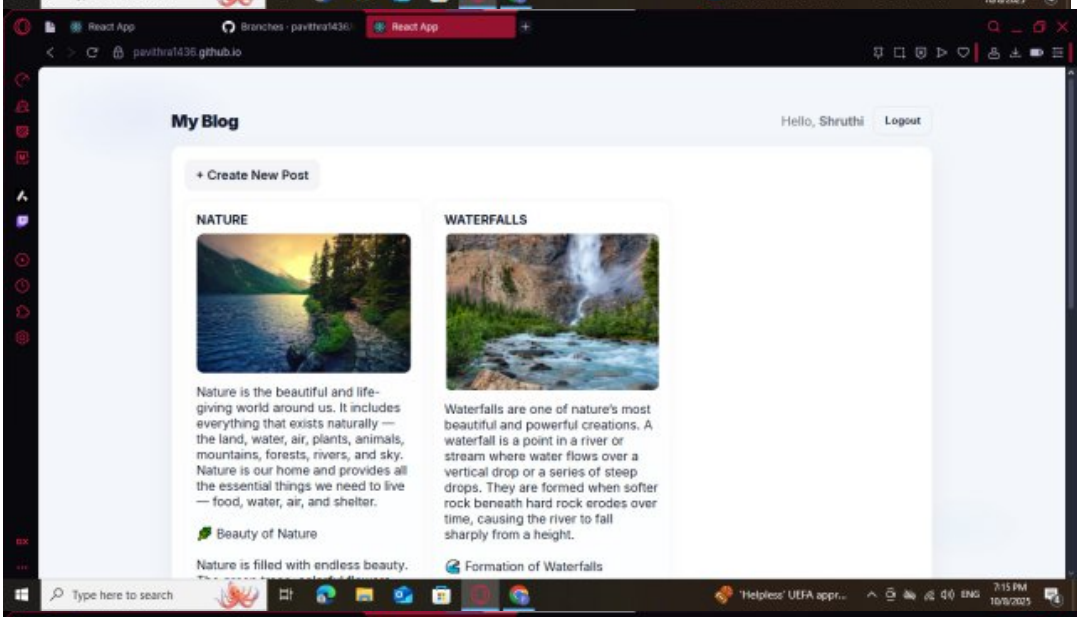
- Homepage – Displays all blog posts with previews
- Blog Post Page – Shows full article and comment box
- Comment Section – Allows users to add their thoughts
- Admin View (optional) – Displays all user comments
- Responsive Layout – Mobile view sample

Database / Backend Setup:

If you are using PHP and MySQL, create a table for comments:




React App
Branches · pavithra1436
React App
pavithra1436.github.io
My Blog
Hello, Pavithra
Logout
+ Create New Post
NATURE
Nature is the beautiful and life-giving world around us. It includes everything that exists naturally — the land, water, air, plants, animals, mountains, forests, rivers, and sky. Nature is our home and provides all the essential things we need to live — food, water, air, and shelter.
Beauty of Nature
Nature is filled with endless beauty. The green trees, colorful flowers, singing birds, flowing rivers, tall
WATERFALLS
Waterfalls are one of nature's most beautiful and powerful creations. A waterfall is a point in a river or stream where water flows over a vertical drop or a series of steep drops. They are formed when softer rock beneath hard rock erodes over time, causing the river to fall sharply from a height.
Formation of Waterfalls
Waterfalls are formed by the
Type here to search
Companies eye up to...
ENG
7:13 PM
10/8/2025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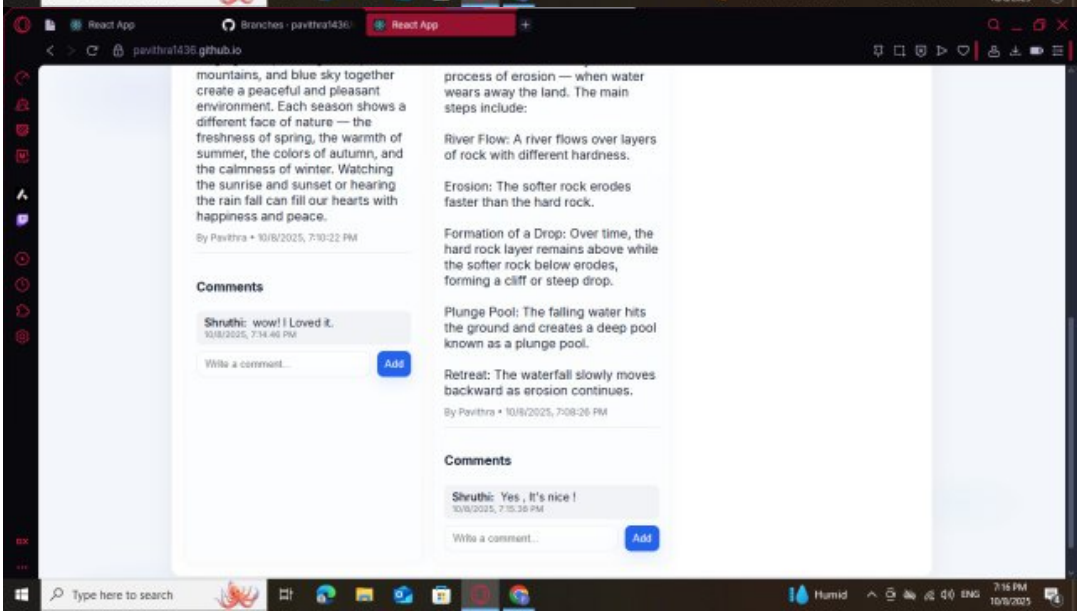
Formation of Waterfalls
Type here to search
'Helpless' UEFA appr...
ENG
7:15 PM
10/8/2025


React App
Branches · pavithra1436
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mountains, and blue sky together create a peaceful and pleasant environment. Each season shows a different face of nature — the freshness of spring, the warmth of summer, the colors of autumn, and the calmness of winter. Watching the sunrise and sunset or hearing the rain fall can fill our hearts with happiness and peace.
By Pavithra • 10/8/2025, 7:10:22 PM
Comments
Shruthi: wow! I Loved it.
10/8/2025, 7:14:46 PM
Write a comment...
Add
process of erosion — when water wears away the land. The main steps include:
River Flow: A river flows over layers of rock with different hardness.
Erosion: The softer rock erodes faster than the hard rock.
Formation of a Drop: Over time, the hard rock layer remains above while the softer rock below erodes, forming a cliff or steep drop.
Plunge Pool: The falling water hits the ground and creates a deep pool known as a plunge pool.
Retreat: The waterfall slowly moves backward as erosion continues.
By Pavithra • 10/8/2025, 7:08:26 PM
Comments
Shruthi: Yes , It's nice !
10/8/2025, 7:15:36 PM
Write a comment...
Add
Type here to search
Humid
ENG
7:16 PM
10/8/2025

Mock Data Documentation:

Since no backend API is used, donation and story data is stored in JavaScript arrays.

JavaScript is used to dynamically display success stories and donations on the page.

## 4. Challenges & Solutions

| Challenge | Solution |
|---|---|
| Managing multiple comments for each post | Linked comments using post IDs in the database |
| Form validation and spam control | Added frontend validation and PHP sanitization |
| Making site responsive | Used CSS Flexbox and media queries |
| Displaying comments instantly | Used PHP refresh and AJAX (optional enhancement) |
| Maintaining simple design | Used minimal layout with consistent color theme |

## 5. GitHub README & Setup Guide

Repository Contents:

- Index.html – Homepage listing all blogs
- Post.html – Single post with comments
- Style.css – Website design
- Script.js – Client-side interactivity

- Submit_comment.php – Handles comment form submission
- Database.sql – SQL file for creating the comments table

Setup Guide:

1. Clone the repository: GitHub.com/madhumanikandan/eco-smart-tracker
2. Move files to your XAMPP/htdocs folder.
3. Create a database blogdb and import database.sql.
4. Open in browser
5. Add comments under any blog post and check database updates

## 6. Final Submission (Repo + Deployed Link)

The project is finalized and submitted with the following components:

- GitHub Repository – https://github.com/pavithra1436/react-blog.git
- Deployed Link – https://pavithra1436.github.io/react-blog/