COLLEGE CODE : 9623

COLLEGE NAME : Amrita College Of Engineering And Technology

DEPARTMENT : Computer Science and Engineering

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ROLL NO : 962323104077

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Completed the project named as

Phase_05_Technology

PROJECT NAME : Blog Site with Comment Section

SUBMITTED BY,

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Project Overview:

- This project is a **web application** that allows users to **create, view, and interact with blog posts**.

- The site includes a **comment section** for each blog post, enabling visitors to share their thoughts or feedback.

- It serves as a foundation for understanding **full-stack web development**, covering **frontend, backend, and database integration**.

  This system ensures:

- The system ensures secure storage and management of blog posts and comments.

- It provides a user-friendly and responsive interface for smooth navigation.

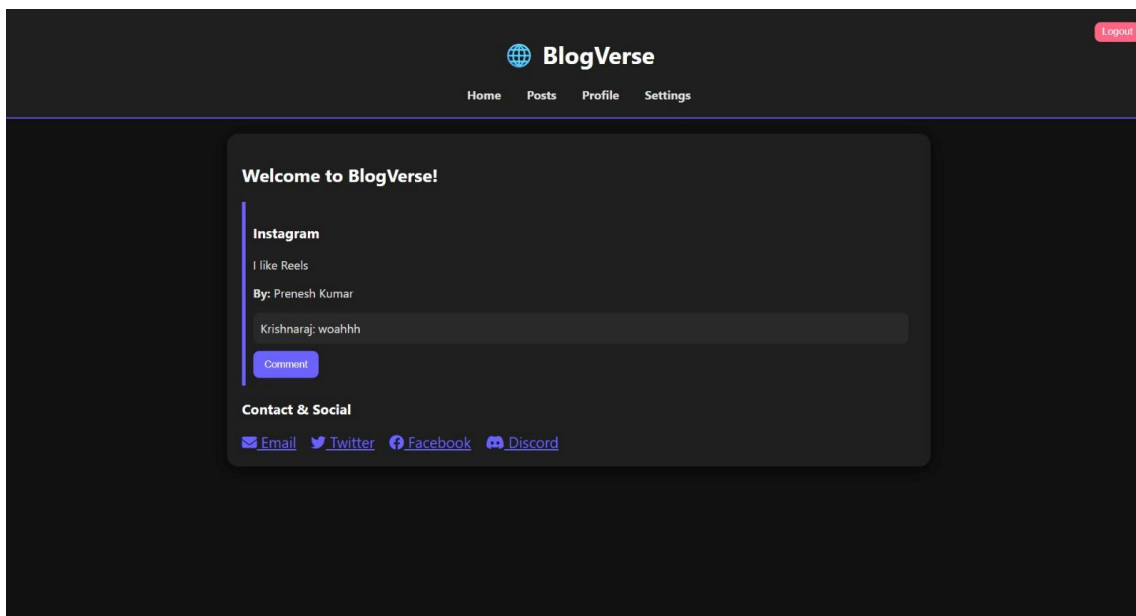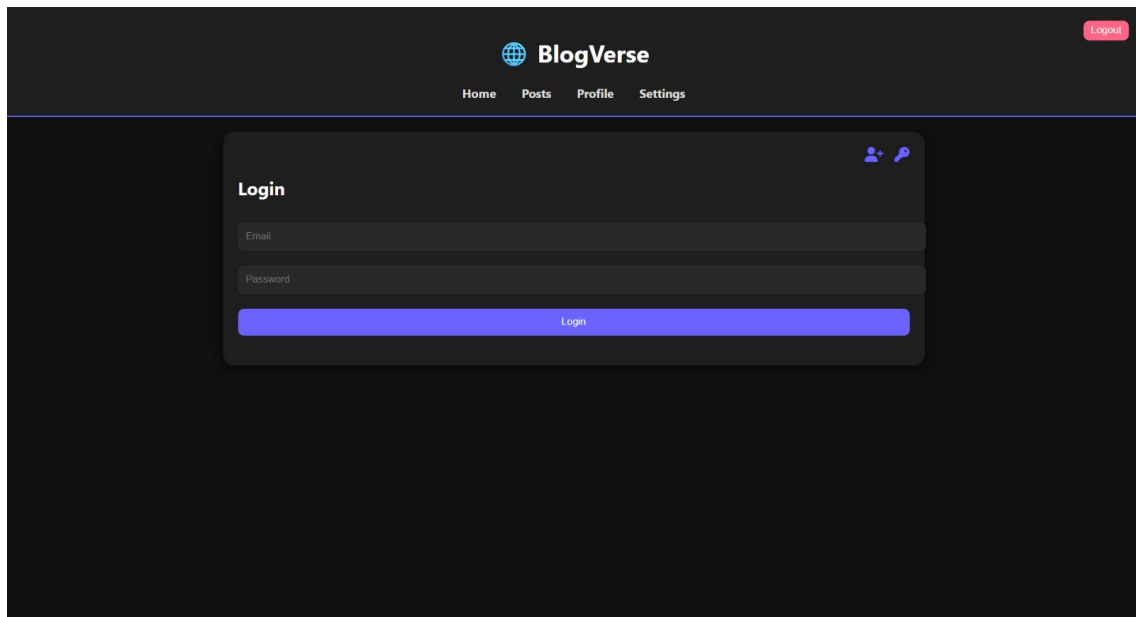- All data inputs are validated to maintain integrity and prevent errors.

Tech Stack:

- Frontend: HTML, CSS, JavaScript (or React.js)

- Backend: Node.js with Express.js

- Databa Database: MongoDB for storing posts and comments
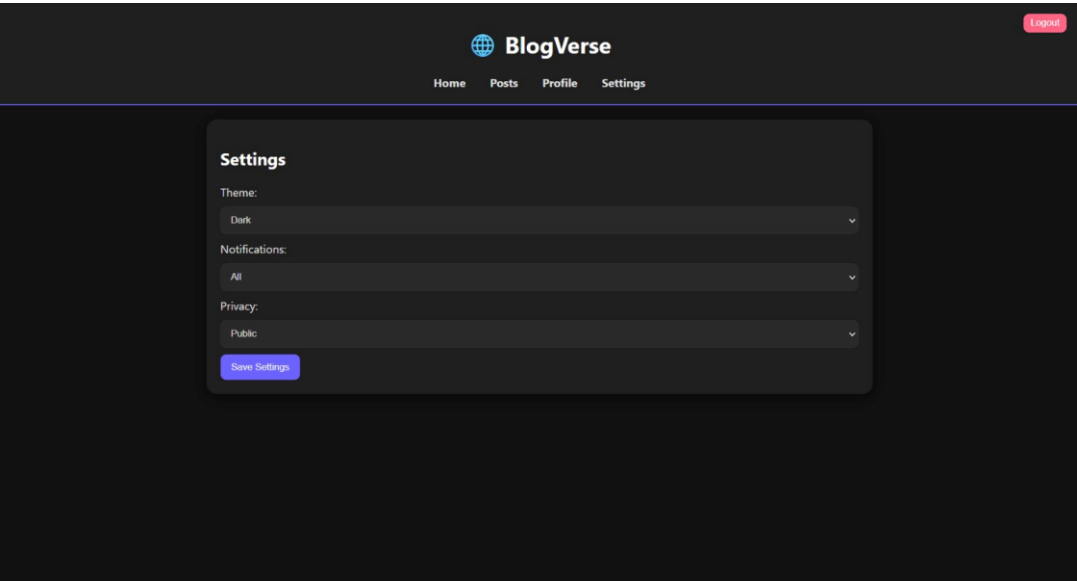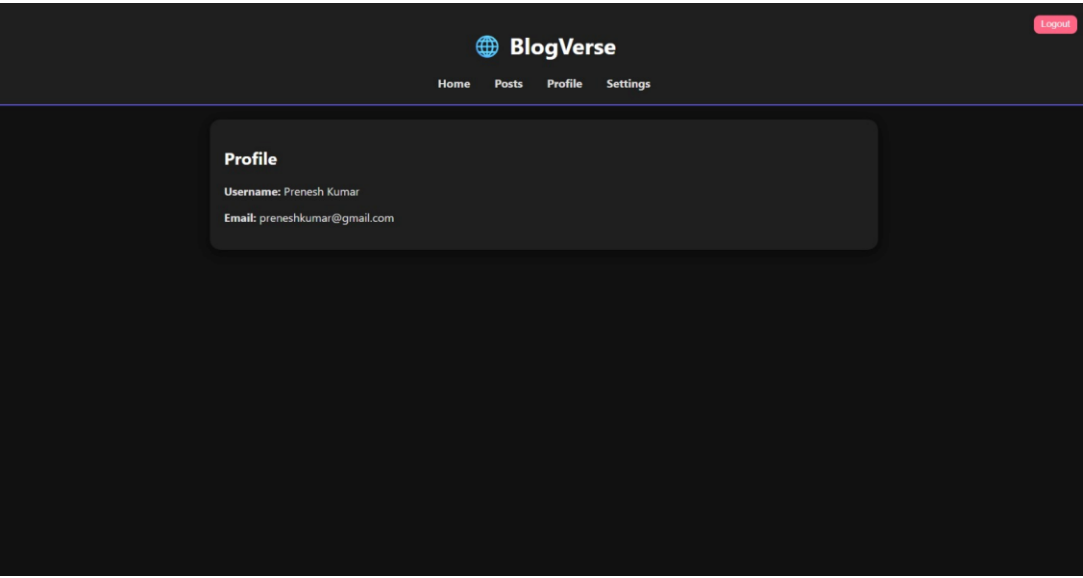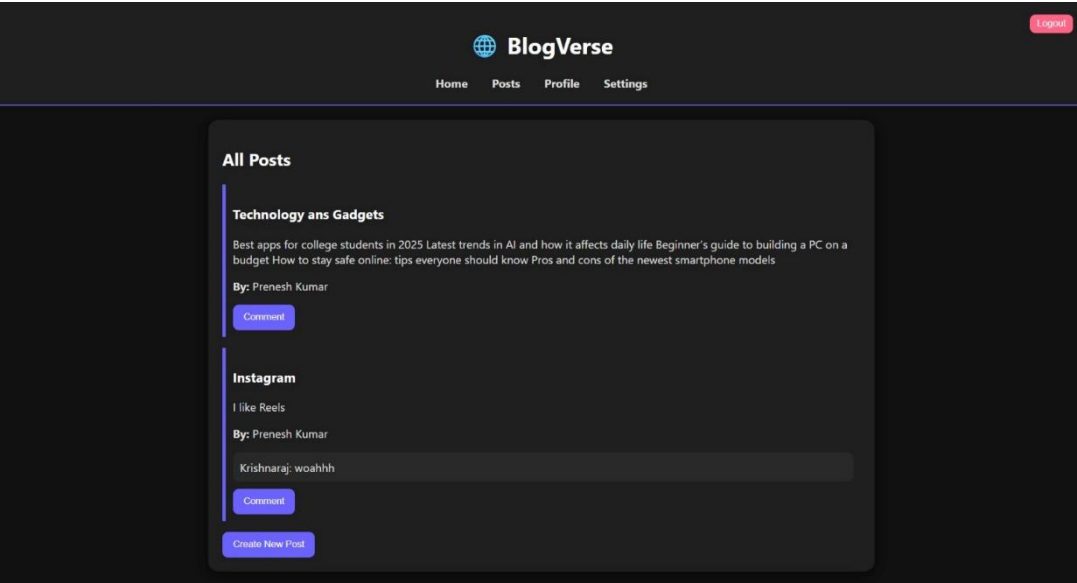
- Tools: GitHub, Postman, VS Code

Project Report :

The project was developed in multiple phases:

- Phase 1 – This project aims to build a **simple blog website** where users can read and comment on posts. It ensures an easy interface, secure data storage, and smooth functionality using open-source tools like Node.js and MongoDB.

- Phase 2 – The system has three parts: **Frontend**, **Backend**, and **Database**.Its Modules include **such as User Module,Admin Module and Comment Module**

- Phase 3 – Implementation Built the Frontend,Backend and Tools: VS Code, GitHub, Postman.

- Phase 4 – Tested for post creation, commenting, and database connection.All modules worked correctly with smooth data flow.

- Phase 5 – The system provides a working **blog platform with a comment section** and demonstrates key web development skills.

Screenshots:

All Posts

Technology ans Gadgets

Best apps for college students in 2025 Latest trends in AI and how it affects daily life Beginner's guide to building a PC on a budget How to stay safe online: tips everyone should know Pros and cons of the newest smartphone models

By: Prenesh Kumar

Comment

Instagram

I like Reels

By: Prenesh Kumar

Krishnaraj: woahhh

Comment

Create New Post

Profile

Username: Prenesh Kumar

Email: preneshkumar@gmail.com

Settings

Theme:

Dark

Notifications:

All

Privacy:

Public

Save Settings

Challenges & Solutions:

Challenge:	Solution Applied:
• Connecting the backend with the database.	• Used **Mongoose** with MongoDB to simplify database connection and schema handling.
• Displaying comments instantly after posting.	• Implemented **AJAX/Fetch API** (or React state updates) to reload comments dynamically without refreshing the page.
• Validating user inputs in forms.	• Added **frontend and backend validation** to prevent empty or invalid submissions.
• Maintaining responsive design across devices.	• Used **CSS Flexbox and media queries** to ensure the website looks good on all screens.
• Handling CRUD operations smoothly.	• Built **RESTful APIs** using Express.js for creating, reading.

Github Link:

GitHub Repo Link: https://github.com/preneshz/Blog-Site-with-Comment-Section.git

Deployed Link: https://blog-site-with-comment-section-xgrf.vercel.app/

"All the project phases (Phase 1 to Phase 5) have been uploaded to the GitHub repository mentioned above."