

Project Profile: BLOGING APPLICATION

BLOGING APPLICATION is a web-based blogging platform that enables users to create, publish, and manage blog content. The platform supports multiple roles (User, Admin), rich-text post creation, media uploads, categories and tags, comments and moderation, search and discovery, and basic analytics. It includes secure authentication and session management, and role-based access control.

Project Architecture

- **Presentation Layer:** React.js, tailwindcss (User Interfaces)
 - **Business Logic Layer:** Node.js with Express.js handles the application logic, API routing, authentication, validation, and integration with external services.
 - **Data Access Layer:** Mongoose (ODM) for schema-based interaction with MongoDB.
 - **Server:** Node.js with Express.js serving REST APIs and optionally using Vercel or Netlify for deployment.
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Modules / Features

User Module:

- User Registration and Login
- Browse Blog Posts
- Create and Publish Post
- Liking post and Adding Comments
- Edit User Profile.

Admin Module:

- Update User and User Blogs
- Delete User and User Blogs
- Create and Edit blog Categories
- Access Dashboard Analytics

Database Design Tables:

- **users** (firstName, lastName, email, password, bio, occupation, photourl, role)
- **blogs** (title, subtitle, description, thumbnail, author, category, likes, comments, isPublished)
- **comments** (content, postId, userId, likes, numberOfLikes)

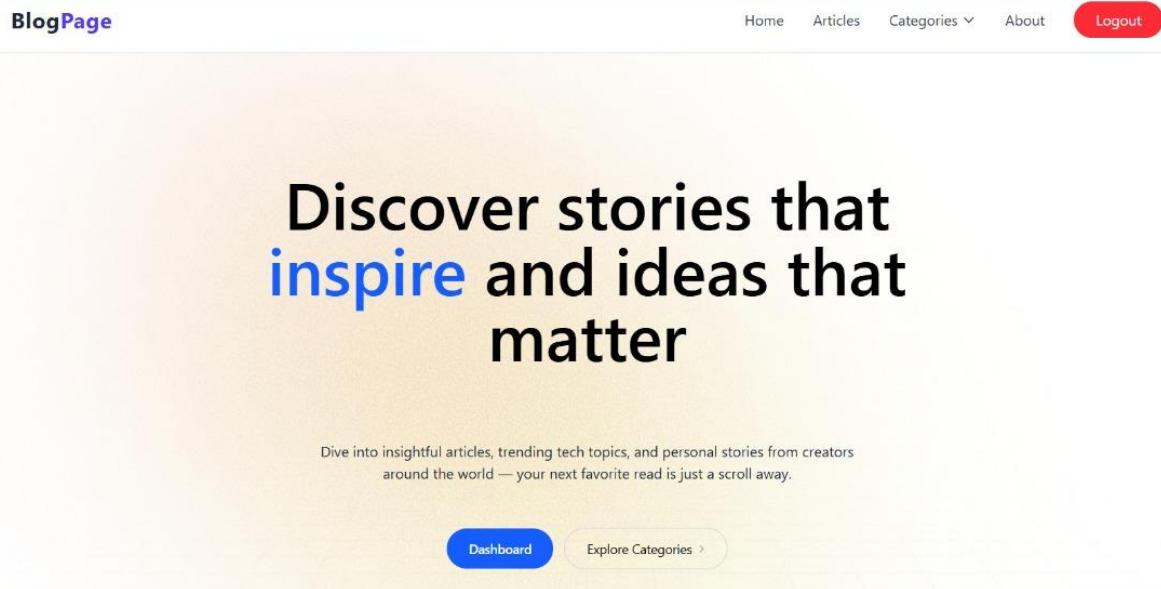
Execution Steps:

1. Clone or Download the Project
2. Make sure you are having node.js installed to run the project
3. Configure MongoDB Database:
 - o Create the required collection and fields using provided mongoose models
 - o Update database connection settings in the JavaScript code
4. Run express Server (npm start for backend)
5. Run your react application using npm run dev
6. Deploy the Application
7. Access via Browser

Screenshots

User:

1) Home:



2) SignIn:

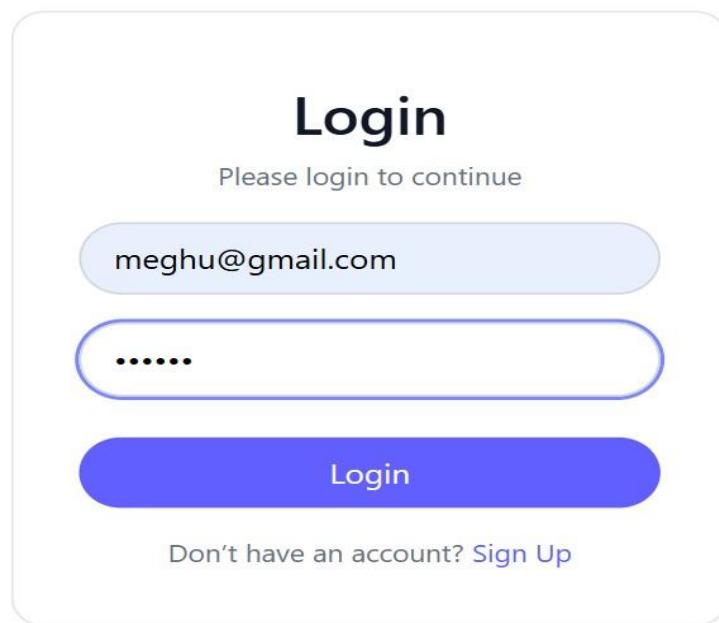
The screenshot shows a sign-up form titled "Sign Up" with the sub-instruction "Please sign up to continue". The form consists of three input fields: the first contains "Meghana", the second contains "meghu@gmail.com", and the third contains ".....". Below the inputs is a large blue "Sign Up" button. At the bottom of the form, there is a link "Already have an account? Login".

Meghana
meghu@gmail.com
.....

Sign Up

Already have an account? [Login](#)

3) Login:



4) Recent Blogs:

Birthday Blog I celebrated my birthday By Meghana 10/28/2025 [Read more →](#)

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5) Blogs:

My Blogs

Birthday Blog

Travel



I celebrated my birthday

Published: 10/28/2025

Author: Meghana

6) Create Blog:

Create Blog

▼

Delete

Normal B I U S ≡ ≡ “ ” ↔ Tx

Gemini_Generated_Image_hnmzwchnmzwchnmz.png



Publish Blog

7)Profile:

The screenshot shows a user profile interface. On the left, there's a sidebar with links: Dashboard, Create Blog, Published Blogs, Comments, and a highlighted 'Edit Profile' button. The main area features a circular profile picture of a person with a green and white geometric pattern. Below the picture, the name 'Meghana' is displayed in bold black text, followed by the email address 'meghu@gmail.com'. To the right of the profile picture is a vertical menu with five items: Account Settings, Security, Privacy, Notifications, and Language & Region.

Admin

1) Users Blog edit page:

Admin Panel

Blogs

Birthday Blog

The Rise of AI Agents: How Autonomous Tech is Changing the Future of Work

Why Reading Blogs Can Transform Your Learning

2) User Comment edit page

Admin Panel

Comments

ramith_kulal on Unknown Blog

ramith just commented

ramith_kulal on Why Reading Blogs Can Transform Your Learning

3) Users access

Admin Panel

Users

New username

Add User

Admin

Email: ramithnr1234@gmail.com
Role: Admin
Status: active

ramith_kulal

Email: ramithnr1234@gmail.com
Role: user
Status: active

Meghana

Email: meghu@gmail.com
Role: user
Status: active