

Project Report: Real-Time Chat App

Objective

To develop a secure, scalable, and professional real-time chat platform with an advanced UI. The project is built using Node.js, Express.js, MongoDB, Socket.IO, and Tailwind CSS. It demonstrates proficiency in full stack development and real-time application design.

Features

- User Registration & Login with JWT Authentication
- Real-time Messaging using Socket.IO
- Online Users Display with live updates
- Responsive & Animated User Interface with Tailwind CSS and Animate.css
- Chat History stored securely in MongoDB
- Secure REST API with Express.js
- Modern UI/UX Design suitable for professional portfolios

Project Report: Real-Time Chat App

Tools & Tech Stack

- Backend: Node.js, Express.js, MongoDB
- Frontend: Tailwind CSS, Animate.css
- Real-Time: Socket.IO
- Authentication: JSON Web Tokens (JWT)
- Version Control: Git, GitHub

Screenshots

User Registration (images/register.png)

Chat Interface (images/screenshot.png)

GitHub Repository

<https://github.com/MadhanKumar1701/Realtime-Chat-APP>

Author

Madhan Kumar

GitHub: <https://github.com/MadhanKumar1701>

LinkedIn: <https://www.linkedin.com/in/madhan-kumar17>