

Gaurav Kumar

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EDUCATION

Vivek College of Education

Bachelor of Computer Applications (BCA)

Bijnor, India

Aug. 2020 – May 2023

PROJECTS

Teacher Review System | *Node.js, MongoDB, REST API, React.js, Tailwind CSS*

March 2022 – May 2022

- Developed a comprehensive platform for students to review teachers based on performance metrics, transforming a unique idea into a practical solution.
- Implemented dynamic, real-time updates and smooth interactions using ReactJS, improving platform usability.
- Created robust backend logic with NodeJS to handle data processing, user authentication, and client-server communication.
- Implemented JWT token-based authentication for secure user login.

GoAssignr | *Google Generative AI API, React.js, Redux, CSS*

June 2023 – August 2023

- Developed a user-friendly web application to assist educators and students in quickly generating assignments.
- Integrated Google Generative AI for creating detailed and personalized assignment content based on input topics.
- Implemented PDF generation functionality, enabling easy download and distribution of assignments.
- Ensured scalability and optimized the performance of the application for a smooth user experience.

ChatTerRoom | *React, Socket.IO, Redux, Tailwind CSS*

January 2024 – January 2024

- Developed a real-time chat application that allows users to join specific chat rooms and exchange messages in real-time.
- Implemented Socket.IO to enable instant messaging between all participants in a room, with messages displayed in real-time.
- Utilized Redux for managing user and room state to ensure consistent and seamless data flow across the application.
- Designed a responsive, user-friendly interface with Tailwind CSS, ensuring optimal performance on both mobile and desktop screens.

Thumblyzer | *YouTube API, Next.js, Clerk, MongoDB, Tailwind CSS*

September 2024 – Present

- Developing a tool for YouTubers to retrieve and analyze YouTube video thumbnails by pasting the video URL.
- Utilizing Next.js for both frontend and backend, providing a seamless development experience.
- Storing user information and thumbnail URLs in MongoDB, ensuring efficient data management.
- Implementing user registration and login functionality with Clerk, integrating with the database through webhook implementation.
- Providing customizable thumbnail templates based on the retrieved image, allowing users to create personalized thumbnails.
- Extracting font size, color, style, and background color information from the inspiration thumbnails.
- Ensuring a smooth user experience with responsive design using Tailwind CSS and React.js.
- Using the YouTube API to fetch thumbnails dynamically and provide relevant resources for thumbnail design.

TECHNICAL SKILLS

Languages: C, C++, SQL, JavaScript, HTML/CSS

Frameworks: React.js, Redux, Tailwind CSS, Node.js, Express.js, Framer Motion, Socket.IO

Developer Tools: Git, GitHub, Google Cloud Platform, VS Code, Visual Studio

UX/UI: Basic UX/UI principles