SURENDRA YADAV

B.Sc. Computer Science Student

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SUMMARY

- Results-driven software developer with expertise in full-stack web development, specializing in JavaScript, Node.js, MongoDB, and building scalable applications.

SKILLS

- **Languages**: Python, JavaScript
- **Lib/Framework**: Node, Express, React, Bootstrap , Tailwind
- **Databases**: MySQL, MongoDB
- **Tools** : Git, GitHub, Docker

PROJECTS

EasyStay Room Reservation

Deployment

- Developed a comprehensive room reservation system that allows users to search for and book rooms, manage reservations, and leave reviews.
- Implemented dynamic listing features with multiple images and real-time availability updates using **MongoDB** for data storage.
- Designed and integrated a billing system with **JSPDF** for generating PDF bills, including options for adding/removing items and calculating totals.
- Utilized **Node.js** with **Express** for server-side functionality and **EJS** for server-side templating, ensuring a responsive and user-friendly interface.
- Employed **Bootstrap** for frontend styling, with a focus on creating a visually appealing and intuitive user experience.
- Integrated a map feature with routing functionality using **MapTiler API** to enhance user experience with location-based services.
- Developed a notification system to keep users informed about booking updates and system changes, leveraging **Node.js**.
- **Tech used :** Node.js | Express | MongoDB | EJS | Bootstrap | JSPDF | MapTiler API

ConnectLive

- Developed a **video conferencing** application that supports real-time video and audio calls with high-quality streaming.
- Implemented **user authentication** and authorization using JWT (JSON Web Tokens) to ensure secure and scalable user management.
- Integrated **WebRTC** for real-time video and audio communication, providing a seamless user experience with low latency.
- Utilized **Socket.IO** for managing real-time events and communication between users, enhancing interactive features such as live chat and notifications.
- Provided key features including **creating and joining meetings**, **screen sharing**, **in-meeting chat**, and **virtual backgrounds**.
- Designed a responsive **user interface** that adapts to different devices and screen sizes, ensuring a consistent experience across platforms.
- Implemented **error handling** and **performance optimization** to enhance reliability and speed.
- **Tech used :** React | Vite | WebRTC | Socket.IO | Node | Express | REST API

PROFILE LINKS

- LinkedIn
- GitHub

ACHIEVEMENTS

- Participated in college-level web development competitions, demonstrating strong practical skills and creativity.
- Contributed to science exhibitions with projects such as face detection and gender classification.
- Competed in MySQL competitions, showcasing proficiency in database management.
- Active member of the National Service Scheme (NSS), where I contributed to community service and leadership development. .

EDUCATION

Satish Pradhan Dnyanasadhana College

Bachelor of Computer Science

📅 2024 - Present   📍 Thane

- Current CGPA : 8.50

Gyanodaya vidya mandir College

XII (HSC)

📅 2022   📍 Thane

Gyanodaya vidya mandir College

X (SSC)

📅 2000   📍 Thane

CO-CURRICULAR

- Actively participated in multiple college events and science exhibitions, contributing to event coordination and execution.
- Volunteered in organizing and managing various college festivals.
- Actively involved in the National Service Scheme (NSS), contributing to various community service activities and developing leadership and teamwork skills.