

SAHIL CHAWADE

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EXPERIENCE

Frontend Developer Intern

Maharashtra Remote Sensing Application Centre, Nagpur

Jan 2025 – May 2025

- Implemented a RESTful API integration within a React.js application, enhancing data flow and resulting in a 15% increase in real-time data processing, according to user feedback.
- Integrated interactive maps using Leaflet.js for real-time satellite image visualization.
- Built dynamic image upload and result display components for user interaction.
- Implemented React Router for smooth navigation and page transitions.
- Collaborated with backend APIs to fetch and display model predictions efficiently.
- Optimized UI performance for large satellite image rendering and ensured cross-device compatibility.

EDUCATION

St.Vincent Pallotti College of Engineering and Technology, Nagpur

2021 - 2025

Bachelor of Technology in Electronics and Telecommunications

CGPA: 7.29

SKILLS

Language: JavaScript, Python, C++ (OOPs Concept)

Front-End Development: ReactJS, NextJS, HTML, CSS, TailwindCss

Back End Development: ExpressJS, NodeJS, EJS

Real-Time Communication: WebRTC, PeerJS, Socket.io, UUID

Database: MongoDB, SQL

Tools and Technologies: Git, Vs code, Docker, AWS, Google Earth Engine

PROJECTS

Secure Pay

- Developed a scalable banking application using the MERN stack with a responsive frontend built in React.js and Tailwind CSS.
- Implemented secure user authentication using JWT and bcrypt to reduce unauthorized access.
- Designed a password recovery system with OTP email functionality via NodeMailer to enhance user convenience and security.
- Integrated Chart.js for visualizing credit and debit trends within the application dashboard.

A Full-Stack Video Conferencing Web Application

- Developed a real-time video conferencing app using **Node.js**, **Express.js**, and **Socket.io** for backend and real-time communication.
- Implemented **WebRTC** for peer-to-peer video and audio streaming.
- Used **EJS** for dynamic HTML rendering.
- Built the frontend with **HTML**, **CSS**, **JavaScript**, and styled using **Bootstrap** for a responsive user interface.
- Deployed the application on **Vercel**, enabling scalable cloud hosting and gaining experience in full-stack development and real-time communication.