

SANJAY SAHANI

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SUMMARY

Results-driven Frontend Developer with 3+ years of experience building responsive, interactive web applications using React.js, HTML5, CSS3, and JavaScript. Expert in implementing UI/UX designs, writing clean, maintainable code, and collaborating on full-stack solutions. Proficient in responsive design, state management, and API integration. Actively learning TypeScript and Jest to align with industry standards. Passionate about delivering high-quality user interfaces and adopting frontend development best practices.

SKILLS

- **Frontend Development:** React.js, HTML5, CSS3, JavaScript, Tailwind CSS, Bootstrap
- **Responsive Design:** Flexbox, Grid, Media Queries, Mobile-First Design
- **State Management:** React Hooks, Context API, Redux Toolkit (familiar)
- **Tools:** Git, GitHub, WebSocket, Canvas API, Razor pay API, Geolocation API, Vanta.js, React Leaflet, XLSX.js
- **Backend:** Node.js, Express.js, MongoDB, Mongoose
- **Learning:** TypeScript (applied in projects), Jest, Storybook
- **Soft Skills:** Collaboration, Problem-Solving, Technical Documentation, Agile Methodologies

EXPERIENCE

Frontend Developer (Freelance & Open-Source Projects) | 2023–Present

- Developed responsive web applications using React.js, HTML5, and Tailwind CSS, delivering pixel-perfect UI components for 6+ projects, including IoT dashboards and e-commerce platforms.
- Collaborated with designers and backend developers to integrate APIs (e.g., Razor pay, Blynk) and resolve UI bugs, ensuring seamless user experiences across devices.
- Wrote clean, maintainable code and documented reusable components, reducing onboarding time by 20%.
- Contributed to open-source projects, participating in code reviews to enhance code quality.
- Applied TypeScript in personal projects and explored Jest for unit testing to meet industry standards.

Vihaan 6.0 Hackathon, IEEE DTU | April 2023

- Built a responsive website prototype in 48 hours using React.js, advancing to the second round among 50+ teams.
- Developed interactive UI components and optimized user experience through team collaboration.
- Technologies: React.js, HTML5, CSS3, JavaScript

PROJECTS

Nexus Smart Helmet Monitoring System | GitHub: <https://github.com/Sanjay6388/Real-Time-Collaborative-White-Board> | 2025

- Engineered a full-stack IoT-based safety system for coal miners using React.js, Tailwind CSS, Node.js, and MongoDB, monitoring gas, temperature, humidity, and fall detection in real-time.
- Built a responsive dashboard with live data visualization, GPS-based helmet mapping, and Excel export using React Leaflet and XLSX.js, achieving 5-second auto-refresh.
- Implemented UI/UX designs with Vanta.js animations and Lucide icons, ensuring cross-device compatibility.
- Technologies: React.js, Tailwind CSS, Node.js, Express.js, MongoDB, Blynk IoT, WebSockets

Real-time Collaborative Drawing App

GitHub: <https://github.com/Sanjay6388/Real-Time-Collaborative-White-Board> | 2024

- Built a real-time, responsive drawing app with <100ms latency using WebSockets and Canvas API.
- Designed interactive UI components with React.js, adhering to UI/UX specifications.
- Technologies: React.js, JavaScript, HTML5, CSS3, WebSockets

Breast Cancer Detection Using MATLAB CNN Network

GitHub: [https://github.com/Sanjay6388/Breast-Cancer_detection-Using-Neural-Network] | **2024**

- Developed a convolutional neural network (CNN) in MATLAB to classify breast cancer from medical imaging data, achieving 92% accuracy on test datasets.
- Pre-processed imaging data and visualized model performance using MATLAB's plotting tools, enhancing interpretability for medical professionals.
- Documented methodology and results, contributing to interdisciplinary research efforts.
- Technologies: MATLAB, CNN, Image Processing

OTT Subscription Website

GitHub: [<https://github.com/Sanjay6388/STREAM-ME>] | **2023**

- Developed a responsive subscription platform with secure authentication and Razorpay API integration using React.js and Tailwind CSS.
- Collaborated with designers to implement pixel-perfect UI/UX designs and documented components for maintainability.
- Technologies: React.js, HTML5, CSS3, JavaScript, PHP, Razorpay API

EDUCATION

Guru Tegh Bahadur Institute of Technology, New Delhi

Bachelor of Engineering in Electronics and Communications | Expected July 2025

8.85/10 | Relevant Coursework: Web Development, Data Structures, Software Engineering



CERTIFICATIONS

- React.js Developer (Apna College) | **2023**
- **Vihaan 6.0 Hackathon, IEEE DTU | April 2023**

ACHIEVEMENTS

- Advanced to second round in Vihaan 6.0 Hackathon, showcasing frontend development and team collaboration.
- Ranked in top 10% of program with 8.85/10 CGPA.
- 100 Days of CSS Animation