

Tanu Rai

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Professional Summary

Frontend Developer with a Master's in Computer Applications specializing in React.js and modern frontend engineering. Experienced in building high-performance, pixel-perfect web interfaces using scalable component architectures and state management solutions. Proven ability to translate Figma designs into production-ready code, implement SSR/SSG-ready patterns, and optimize frontend performance. Skilled in frontend API integration and data visualization.

Technical Skills

Languages: JavaScript (ES6+), TypeScript, HTML5, CSS3, Java

Frontend Frameworks: React.js, Tailwind CSS, Framer Motion, Chart.js

State Management: Zustand, Context API, React Hooks, Redux patterns

Frontend Integration: REST API consumption, GraphQL queries, Third-party API integration

Tools & Practices: Git, Vercel, Webpack, Code Splitting, Lazy Loading, Performance Optimization

Core Competencies: Component-Driven Development, Responsive Design, Accessibility (WCAG), Agile/Scrum

Experience

Process Associate II

IDS Infotech Pvt. Ltd.

Jan 2023 – Jun 2025

Mohali, Punjab

- Resolved 500+ high-priority data discrepancies under strict 24-hour SLAs with 100% accuracy
- Recognized as Top Performer 2024 for exceeding quarterly KPIs by 25%
- Applied root-cause analysis to identify recurring data errors, reducing repeat discrepancies by 30% across monthly reports
- Collaborated with 3 cross-functional teams to implement data validation checks, improving audit pass rates by 20%

Projects

AI Interview Experience Simulator — React, Zustand, TypeScript, Tailwind, Framer Motion 2025

- Live Demo: ai-interview-experience-simulator.vercel.app
- Architected and deployed a production-ready AI interview simulator supporting 10+ dynamic interview flows with real-time feedback and scoring
- Implemented scalable Zustand-based state architecture to manage concurrent interview sessions, reducing state-related bugs by 40%
- Designed modern SaaS-style UI featuring dark mode support, fluid animations, responsive layouts optimized for mobile and desktop, achieving 95+ Lighthouse performance score
- Achieved 95+ Lighthouse score via code-splitting and lazy loading (40% faster load time)

Pixy Weather Dashboard — React, OpenWeather API, Context API, CSS3

2025

- Live Demo: pixy-weather.vercel.app

- Developed scalable weather dashboard delivering real-time environmental data including AQI, wind conditions, atmospheric pressure, sunrise/sunset times, and 7-day forecasts for global locations
- Integrated multiple OpenWeatherMap API endpoints with efficient caching strategy, reducing API calls by 60% and improving response time through debounced search functionality
- Delivered responsive, mobile-first UI with smooth animations

Education

Lovely Professional University	Punjab, India
Master of Computer Applications (MCA)	2022 – 2024
Smt. Rama Chopra College	Pathankot, Punjab
Bachelor of Computer Applications (BCA)	2019 – 2022

Certifications & Achievements

- HackerRank Certified: JavaScript (Intermediate)
- Coding Ninjas Certified: Data Structures, Java, Object-Oriented Programming
- Top Performer of the Year 2024: IDS Infotech Pvt. Ltd.