

Tanu Rai

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PROFESSIONAL SUMMARY

Frontend Developer with Master's in Computer Applications specializing in React.js and Next.js development. Expert in building high-performance, pixel-perfect web interfaces with modern frameworks and state management solutions. Proven track record of translating Figma designs into production-ready code, implementing SSR/SSG architectures, and optimizing frontend performance. Strong foundation in data structures, algorithms, and full-stack integration with REST APIs and GraphQL.

TECHNICAL SKILLS

Frontend Frameworks: React.js, Next.js (SSR/SSG), TypeScript, JavaScript (ES6+), HTML5, CSS3
Styling & Design: Tailwind CSS v4, Material UI, Responsive Design, Mobile-First Development, Figma-to-Code
State Management: Zustand, Redux, Context API, React Hooks
APIs & Integration: REST API, GraphQL, JSON, Asynchronous Data Handling
Tools & Platforms: Git, Vercel, Frontend Debugging, Performance Optimization, Chrome DevTools
Programming: Java, Data Structures & Algorithms, Object-Oriented Programming
Methodologies: Agile/Scrum, Cross-functional Collaboration, Component-Driven Development

TECHNICAL PROJECTS

- AI Interview Question Simulator | *Next.js, Tailwind CSS, Zustand, Vercel*** 2025
- Architected and deployed production-ready AI-powered interview simulation platform with multi-step interview flow, real-time feedback system, and comprehensive evaluation dashboards
 - Implemented scalable state-driven React architecture using Zustand for managing complex interview sessions, candidate progress tracking, and historical performance data
 - Designed modern SaaS-style UI featuring dark mode support, fluid animations, responsive layouts optimized for mobile and desktop, achieving 95+ Lighthouse performance score
 - Built interactive analytics dashboards with score visualization, progress indicators, and detailed performance insights using Chart.js and custom React components
 - Deployed on Vercel with optimized build configuration, code splitting, and lazy loading strategies, reducing initial bundle size by 40% and improving Time to Interactive (TTI) by 35%
- Real-Time Weather Dashboard | *React.js, Tailwind CSS, Framer Motion, OpenWeatherMap API*** 2025
- 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
 - Optimized frontend performance by implementing code splitting, lazy loading, and memoization techniques, achieving sub-2-second initial load time and 90+ Lighthouse performance score
 - Engineered pixel-perfect, accessible UI components following WCAG 2.1 AA standards with smooth animations using Framer Motion, ensuring seamless UX across all device sizes
 - Built reusable component library with TypeScript interfaces and comprehensive PropTypes validation, improving code maintainability and development velocity by 30%

PROFESSIONAL EXPERIENCE

- IDS Infotech Pvt. Ltd.** January 2023 – June 2025
Process Associate-II Pathankot, Punjab
- Collaborated with international stakeholders to resolve high-priority data discrepancies within strict 24-hour SLA cycles, maintaining 100% data accuracy and integrity across healthcare billing systems
 - Analyzed and resolved complex billing discrepancies involving medical codes, insurance claims, and patient records, ensuring full compliance with HIPAA privacy standards and regulatory requirements
 - Recognized as Top Performer of 2024 for excellence in patient communication, billing resolution efficiency, and quality audit scores, consistently exceeding team KPIs by 25%
 - Improved patient satisfaction metrics through empathetic communication and reduced average resolution time from 48 hours to 18 hours, contributing to 15% increase in positive feedback scores
 - Applied data-driven problem-solving skills and attention to detail—competencies directly transferable to writing clean, maintainable, bug-free frontend code

EDUCATION

- Lovely Professional University

2022 – 2024

Master of Computer Application (MCA)

Jalandhar, India

• Relevant Coursework: Database Systems, Data Structures & Algorithms, Software Engineering, Web Technologies
- Smt. Rama Chopra College

2019 – 2022

Bachelor of Computer Application (BCA)

Punjab, India

• Relevant Coursework: Object-Oriented Programming, Computer Networks, Operating Systems, Business Software Development

CERTIFICATIONS & ACHIEVEMENTS

- HackerRank Certified: React (Advanced) and JavaScript (Intermediate)
- Programming Expertise: Java, Data Structures, Algorithms, Object-Oriented Programming
- Recognition: Top Performer of the Year 2024 for operational excellence and quality metrics