

Tanu Rai

7837094381 | tanurai9857@gmail.com | Pathankot, Punjab, India

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

Master of Computer Application (MCA)

2022 – 2024

Jalandhar, India

- Relevant Coursework: Database Systems, Data Structures & Algorithms, Software Engineering, Web Technologies

Smt. Rama Chopra College

Bachelor of Computer Application (BCA)

2019 – 2022

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