# TANU RAI

Pathankot, Punjab, India | tanurai9857@gmail.com | +91 78370 94381 | GitHub | Portfolio

## 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. Strong foundation in REST APIs and GraphQL integration.

## 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

**Backend & APIs:** REST APIs, GraphQL, Node.js basics

**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**                                                     Jan 2023 – Jun 2025
*IDS Infotech Pvt. Ltd.*                                                        *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.