

SHANU TIWARI

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TECHNICAL SKILLS

Languages:	JavaScript, TypeScript, Java, HTML, CSS, SQL
Libraries/Frameworks:	React.js, Next.js, Node.js, Redux, Zod, React Query, Tailwind, Shadcn UI, Bootstrap, Apexcharts, Firebase
Databases/ORM:	MySQL, MongoDB, NoSQL, Redis
Platforms/Tools:	Git, GitHub, npm, pnpm, Cursor, Yarn, Vite, Vercel, V0, Netlify, Postman, Figma
Other:	WebSocket, GitHub Pages, REST API, Swagger, Context API, State Management, Agile Collaboration

EDUCATION

Medi-Caps University – Indore, Madhya Pradesh	CGPA: 8.7/10
Bachelor of Technology in Computer Science and Engineering	August 2020 – July 2024
Sanskar Academy, CBSE – Pachore, Madhya Pradesh	Percentage: 87%
12th, Mathematics	April 2018 – July 2020

EXPERIENCE

Blursday [NextJS, ReactJS, TypeScript]	(Remote) Bangalore, India
Frontend Engineer – Full time	November 2024 - Present
<ul style="list-style-type: none">Developed a dashboard for the Brand Book Generator using Next.js and shadcn/ui, reducing development time by 30% with reusable, type safe components.Established secure authentication with Google OAuth and OTP via Firebase, cutting login errors by 45% and improving session security for 10K+ users.Optimized Figma/Canva plugins with better API integration and UI/UX, achieving 40% faster load times and identifying 3 critical bottlenecks via Google Analytics and Datadog.	
Teclene Software Solutions [JavaScript, ReactJS, ApexCharts, Shadcn UI]	(On-site) Indore, India
Software Development Engineer – Full time	March 2024 – November 2024
<ul style="list-style-type: none">Built an IoT platform with WebSockets for real-time data, reduced delays by 30% and enhanced user experience and interaction.Optimized app performance by 25% using Shadcn, Redux, and React Query for better state management and faster load times.Architected a custom JSON parser and integrated interactive mapping features with Leaflet, improving user engagement by 20%.	

PROJECTS

Genie-AI [Next.js, React Hook Form, Zod, Tailwind]

- Engineered a responsive AI chat app with OTP login and country selector, achieving 90%+ form accuracy using React Hook Form and Zod.
- Implemented image upload, infinite scroll, and typing indicators with skeleton loaders, reducing perceived latency by 40%.
- Added dark mode, message copy, and localStorage persistence; deployed on Vercel with full state retention across devices.

Latency Topology Visualizer [Next.js, Three.js, TypeScript, Mapbox]

- Designed 3D latency map with Three.js to visualize 50+ exchange servers across AWS/GCP/Azure, updating every 8s.
- Delivered interactive time-series charts for 15+ pairs, reducing lookup time by 60% via debounced search and caching.
- Boosted rendering performance by 45% via frustum culling and LOD, achieving 60 FPS on desktop and 40+ FPS on mobile.

Reelify [Next.js, MongoDB, NextAuth, imagekit.io, Tailwind CSS, DaisyUI]

- Designed and developed a full-stack short video app with upload, like, and comment features, boosting engagement by 30%.
- Secured role based auth with NextAuth.js, reduced unauthorized access by 40% and recovery requests by 10%.
- Crafted a responsive mobile-first UI with Tailwind and DaisyUI, increasing session length by 20%.

TRAININGS/CERTIFICATIONS

Industrial Training in Machine Learning	Medicaps University, Indore
<ul style="list-style-type: none">Completed 6-week Data Science training at Medicaps University, focused on Python, statistics and machine learningCreated an MNIST digit recognition model using logistic regression and statistical analysis.	
Crash Course on Python	Coursera
<ul style="list-style-type: none">Gained hands-on experience in Python, data structures, and object-oriented concepts through project-based learning.Applied Python and ML concepts to build real world models in personal projects to enhance practical skills.	