

# SHANU TIWARI

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## TECHNICAL SKILLS

Languages:	JavaScript, TypeScript, Java, HTML, CSS, SQL
Libraries/Frameworks:	React.js, Next.js, Node.js, React Query, Redux, Zustand, Zod, Firebase, Apexcharts, Socket.io
UI Component Libraries/CSS:	Chakra UI, Shadcn UI, Radix UI, Material UI, TailwindCSS, Bootstrap, Framer Motion
Databases/ORM:	MySQL, MongoDB, NoSQL, Redis
Platforms/Tools:	Git, GitHub Actions, Cursor, Warp, Vite, Vercel, Netlify, Postman, Swagger, Figma
AI/Others:	LLM's, RAG, MCP, SSE, WebSockets, REST APIs, Scrum and Agile Collaboration, Context API

## 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

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

## PROJECTS

<b>Genie-AI</b> [Next.js, React Hook Form, Zod, Tailwind] <ul style="list-style-type: none"><li>Engineered a responsive AI chat app with OTP login and country selector, achieving 90%+ form accuracy using React Hook Form and Zod.</li><li>Implemented image upload, infinite scroll, and typing indicators with skeleton loaders, reducing perceived latency by 40%.</li><li>Added dark mode, message copy, and localStorage persistence; deployed on Vercel with full state retention across devices.</li></ul>
<b>Latency Topology Visualizer</b> [Next.js, Three.js, TypeScript, Mapbox ] <ul style="list-style-type: none"><li>Designed 3D latency map with Three.js to visualize 50+ exchange servers across AWS/GCP/Azure, updating every 8s.</li><li>Delivered interactive time-series charts for 15+ pairs, reducing lookup time by 60% via debounced search and caching.</li><li>Boosted rendering performance by 45% via frustum culling and LOD, achieving 60 FPS on desktop and 40+ FPS on mobile.</li></ul>
<b>Reelify</b> [Next.js, MongoDB, NextAuth, imagekit.io, Tailwind CSS, DaisyUI] <ul style="list-style-type: none"><li>Designed and developed a full-stack short video app with upload, like, and comment features, boosting engagement by 30%.</li><li>Secured role based auth with NextAuth.js, reduced unauthorized access by 40% and recovery requests by 10%.</li><li>Crafted a responsive mobile-first UI with Tailwind and DaisyUI, increasing session length by 20%.</li></ul>

## TRAININGS/CERTIFICATIONS

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