

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

Blursday [NextJS, ReactJS, TypeScript] <i>Frontend Engineer – Full time</i>	(Remote) Bangalore, India November 2024 - September 2025
<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] <i>Software Development Engineer – Full time</i>	(On-site) Indore, India 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] <ul style="list-style-type: none">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] <ul style="list-style-type: none">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] <ul style="list-style-type: none">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 <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.	Medicaps University, Indore
Crash Course on Python <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.	Coursera