

SHANU TIWARI

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PROFESSIONAL SUMMARY

Software Engineer with 2+ years of experience building scalable, high-performance React and Next.js applications. Proven in optimizing frontend performance by 45%, streamlining API workflows, delivering modular, production-ready UI systems.

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

EXPERIENCE

DataNimbus <i>Software Engineer – Full time</i>	(Hybrid) Bangalore, India November 2025 - Present
<ul style="list-style-type: none">Delivered enterprise-grade Senior Management dashboard with tabbed transactions and deal limits, boosting efficiency by 35%Optimized frontend tables, Redux state & backend API calls, cutting dashboard load times 40% and preventing duplicate fetchesImplemented centralized theming with dynamic styles and utilities, fixed UI bugs and ensured consistent UI across 15+ modules	
Blursday <i>Frontend Engineer – Full time</i>	(Remote) Bangalore, India November 2024 - September 2025
<ul style="list-style-type: none">Architected the Brand Book Generator dashboard, increasing asset creation speed by 25% through modular, reusable UI design.Designed and integrated Google OAuth and OTP-based authentication, enhancing access control and improving login stability.Optimized Figma/Canva plugin performance via API and UI refinements, reducing load times and eliminating key bottlenecks.	
Techlène Software Solutions <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.Accelerated app performance by 25% using Shadcn, Redux, and React Query for better state management and faster load times.Designed a custom JSON parser and integrated interactive mapping features with Leaflet, improving user engagement by 20%.	

PROJECTS

Latency Topology Visualizer [Next.js, Three.js, TypeScript, Mapbox]	
<ul style="list-style-type: none">Built 3D latency map to visualize 50+ exchange servers across AWS/GCP/Azure, updating every 8s for real-time monitoring.Delivered interactive time-series charts for 15+ crypto pairs, cutting data lookup time by 60% via debounced search and cachingBoosted rendering performance 45% using frustum culling and LOD, achieving 60 FPS desktop and 40+ FPS mobile experience	
Reelify [Next.js, MongoDB, NextAuth, imagekit.io, Tailwind CSS, DaisyUI]	
<ul style="list-style-type: none">Developed full-stack short video platform with upload, like, comment features, boosting engagement and platform usage by 30%Implemented role-based authentication with NextAuth, reducing unauthorized access 40% and streamlining user recovery flowsBuilt responsive mobile-first UI with TailwindCSS/DaisyUI, improving session duration, usability, and cross-device consistency	

EDUCATION

Medicaps University <i>Specialized in Data Science</i> <i>Bachelor of Technology in Computer Science and Engineering</i>	Indore, Madhya Pradesh, India August 2020 – July 2024 CGPA: 8.7/10
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TRAININGS/CERTIFICATIONS

Industrial Training in Machine Learning

Medicaps University, Indore

- Completed intensive 6-week Data Science training in Python, statistics, data preprocessing, supervised ML and model evaluation
- Developed and evaluated an MNIST digit classifier using logistic regression, applying statistical analysis and performance metrics

Crash Course on Python

Coursera

- Developed strong foundations in Python, data structures, functions, and object oriented programming through hands on projects
- Implemented Python based programs to solve algorithmic problems, reinforcing logical thinking and structured coding practices