Sachin Jha

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EDUCATION

Maulana Azad National Institute Of Technology, Bhopal   Aug-2024–Present
Master of Computer Application   CGPA - 8.95

University of Delhi   Nov-2021–July 2024
Bachelor of Computer Science   CGPA - 8.99

PROJECTS

Tastio (GitHub)
- Full-stack food ordering app for restaurants and users with role-based access (Admin, Restaurant, Customer).
- Developed features like menu browsing, order tracking, and payment integration using Stripe.
- Engineered a full-stack application using the MERN stack: MongoDB, Express.js, React.js, and Node.js.
- Implemented JWT-based authentication and RESTful APIs for secure, scalable functionality.
- Mobile-first, responsive design using Tailwind CSS.

Catalyst (GitHub)
- Official website of the MCA Coding Club at NIT Bhopal to showcase events, achievements, and initiatives.
- Designed a modern, responsive UI using React.js and Tailwind CSS for seamless experience across devices.
- Implemented event listing, blog posting, and dynamic member showcase features.
- Integrated GitHub and LinkedIn profiles of members to promote visibility and networking.
- Launched on Vercel, ensuring optimized performance and minimal load times.

ClipCraft AI (GitHub)
- AI-powered SaaS platform to generate engaging short-form videos from text prompts or input content.
- Developed the platform using Next.js, Tailwind CSS, and Firebase Auth, and orchestrated background workflows with Inngest.
- Implements secure user authentication and a responsive dashboard with real-time status updates.
- Features automated video rendering, thumbnail generation, and cloud storage via Firebase.
- Released via Vercel with robust CI/CD integration, enabling rapid updates and high global availability.

Converso (GitHub)
- Modern SaaS communication platform enabling real-time voice conversations through AI-driven interfaces.
- Crafted a responsive, maintainable frontend using Next.js, Tailwind CSS, and TypeScript.
- Integrated with Vapi for voice capabilities and Clerk for secure, seamless user authentication.
- Uses Supabase for real-time database operations and backend functionality.
- Monitored via Sentry for performance tracking and error monitoring in production.
- Implemented CI/CD workflows on Vercel to enable reliable, scalable delivery and continuous deployment.

AI Medical Agent (GitHub)
- AI-based voice assistant for healthcare that automates patient triage, appointment booking, and symptom analysis using LLMs and real-time speech processing.
- Integrated Vapi (telephony API), OpenRouter (LLM gateway), and AssemblyAI (speech-to-text) to build a low-latency, voice-interactive system.

- Engineered the frontend using Next.js and TypeScript, styled with shadcn/ui and Accenternity UI for an accessible and modern UX.
- Used Neon for scalable, serverless Postgres with Prisma ORM and implemented transactional workflows using Edge Functions.
- Built secure authentication and user management with Clerk, supporting role-based access for doctors, assistants, and admins.
- Deployed with Vercel and implemented CI/CD workflows for fast, zero-downtime deployments; monitored production issues with Sentry.

Spendwise ☑ (GitHub ☑)

- Cross-platform mobile expense tracker app built with React Native (Expo) to help users manage and visualize their personal finances.
- Developed backend using Neon (serverless PostgreSQL) and Prisma ORM to ensure efficient and scalable database operations.
- Built and consumed RESTful APIs for real-time synchronization of user transactions, categories, and account data.
- Implemented secure authentication and user management with Clerk, supporting personalized experiences and role-based access.
- Designed and developed an interactive dashboard with expense summaries and monthly breakdowns; added support for light/dark themes.
- Deployed using Expo Application Services (EAS) with Over-the-Air (OTA) updates for seamless and continuous delivery across platforms.

Technical Skills

- **Programming Languages:** JavaScript, TypeScript, C++, Python, SQL
- **Libraries & Frameworks:** React.js, Next.js, Express.js, Node.js, Tailwind CSS, Redux Toolkit, Mongoose
- **Database & Tools:** MongoDB, Firebase, MySQL, Prisma ORM, Stripe API
- **Coursework:** Data Structures and Algorithms, Database Management Systems, Operating Systems, Computer Networks, Software Engineering
- **Others:** Git, GitHub, Postman, Vercel, Render, VS Code, REST APIs, MVC Architecture, Responsive Design

Coding Profile & Other Work

Competitive Programming Profiles   *Online*

- **LeetCode** ☑
- **Codeforces** ☑

Ranks & Achievements

LeetCode(Max Rating :1877 Knight) Solved 450+ problems across arrays, trees, DP, and graphs	2025
Codeforces Pupil (Max Rating: 1250) Regular participant in global contests	2025