

# Sachin Jha

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## EDUCATION

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**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

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### 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

### 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

### 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

### 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.

## Technical Skills

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- **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

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### Competitive Programming Profiles

*Online*

- [LeetCode](#) 
- [Codeforces](#) 

## Ranks & Achievements

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