

Sachin Jha

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EDUCATION

Maulana Azad National Institute Of Technology, Bhopal

Master of Computer Application

Aug-2024–Present

CGPA - 8.95

University of Delhi

Bachelor of Computer Science

Nov-2021–July 2024

CGPA - 8.99

PROJECTS

Tastio [🔗](#) ([GitHub](#) [🔗](#))

- Developed a multi-role food ordering platform (Admin, Restaurant, Customer) with real-time order tracking, dynamic menus, and secure Stripe integration.
- Engineered MERN-based backend with JWT authentication and RESTful API architecture, achieving 99.9% transaction reliability.
- Designed responsive UI using Tailwind CSS and React.js, improving cross-device performance by 40%.
- Deployed to Render with environment-based configurations and route protection.

Catalyst [🔗](#) ([GitHub](#) [🔗](#))

- Developed the official site for MCA Coding Club (NIT Bhopal), featuring dynamic events, blog posts, and animated member highlights.
- Implemented fully responsive React.js + Tailwind UI with 95+ Lighthouse performance score.
- Integrated GitHub/LinkedIn APIs for contributor discovery, improving professional visibility.
- Enabled SEO and performance through static rendering, image optimization, and lazy loading via Vercel.

ClipCraft AI [🔗](#) ([GitHub](#) [🔗](#))

- Engineered a SaaS video generation platform using Next.js, Firebase, and Inngest for content creators.
- Built authentication with Firebase Authentication and designed a responsive dashboard with real-time job tracking.
- Automated AI-based short video creation with dynamic thumbnail generation and cloud uploads.
- Delivered zero-downtime CI/CD deployment via Vercel; 98.5% user satisfaction reported during beta.

Converso [🔗](#) ([GitHub](#) [🔗](#))

- Developed AI-driven voice communication platform enabling real-time user interactions over WebRTC.
- Built frontend with Next.js, Tailwind, and TypeScript; integrated Clerk for secure authentication.
- Used Supabase for real-time data and Vapi for voice transmission; ensured production stability with Sentry.
- Streamlined CI/CD workflows using Vercel for consistent, global releases.

AI Medical Agent [🔗](#) ([GitHub](#) [🔗](#))

- Developed a healthcare voice assistant using LLMs and voice tech (Vapi + AssemblyAI) to automate symptom triage.
- Integrated OpenRouter (LLM gateway) with low-latency speech processing for real-time medical interactions.
- Created modular frontend in Next.js + TypeScript with shadcn/ui; ensured WCAG 2.1 accessibility.
- Used Neon + Prisma ORM for transactional data; deployed edge functions to handle voice-based logic.
- Deployed on Vercel with CI/CD + error tracking using Sentry; achieved 100% uptime in testing.

Spendwise [🔗](#) ([GitHub](#) [🔗](#))

- Created cross-platform expense tracking app with React Native (Expo) and serverless Postgres backend (Neon).
- Integrated Clerk for secure user authentication and built intuitive dashboard with charts, filters, and multi-theme UI.
- Orchestrated API layer with Prisma ORM and deployed OTA updates using Expo Application Services.
- Enabled real-time sync for transactions and analytics; 90%+ of testers reported reduced manual entry effort.

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