

# SAHIL BAJAJ

Delhi, India

+91 9811057531 [◇ sahilbajaj2004@gmail.com](mailto:sahilbajaj2004@gmail.com) [◇ linkedin](#) [◇ Portfolio](#) [◇ Github](#)

## OBJECTIVE

Full-Stack Developer with hands-on experience building production-grade MERN and Next.js applications. Shipped six real-world projects spanning URL shorteners, real-time collaboration tools, and booking SaaS platforms. Actively seeking full-stack developer roles where I can contribute from day one.

## EDUCATION

**Bachelor of Computer Application**, CCS University

2024 - 2027

## SKILLS

|                        |                                                                         |
|------------------------|-------------------------------------------------------------------------|
| Technical Skills       | JavaScript, TypeScript, Python, C++, C, Java                            |
| Frameworks & Libraries | React.js, Next.js, Node.js, Express.js, Tailwind CSS, Prisma, Redux     |
| Databases & Caching    | MongoDB, PostgreSQL, MySQL, Redis, Firebase                             |
| Tools & Platforms      | Git, GitHub, Docker, AWS, VS Code, Postman, Vercel                      |
| Concepts               | REST APIs, WebRTC, Socket.io, BullMQ, DSA, OOP, DBMS, Operating Systems |

## EXPERIENCE

**Full Stack developer**

May 2025 - Aug 2025

Blackspire

*Delhi, India*

- Worked on client web applications as a Junior Software Development Intern.

**Software developer**

May 2024 - Present

Fiverr, Freelancer

*Delhi, India*

- Working as a freelance full-stack developer, building complete web apps using MongoDB, Express.js, React, Next.js Node.js and React Native Apps. Handled everything from front-end UI to back-end APIs and deployment.

## PROJECTS

**LetsMeet** Peer-to-peer video calling app using WebRTC mesh — audio/video travel browser-to-browser, never through a media server. Built with Next.js, Socket.io signaling server, MongoDB Atlas (TTL-indexed rooms), and Google OAuth; includes a waiting-room lobby with host accept/decline flow.

**AlgoAnalyzer** Full-stack algorithm visualizer (React + Express) with step-by-step execution, live line-by-line code highlighting in Java and C++, side-by-side algorithm comparison on the same input, and an AI Code Analyzer — backed by a PostgreSQL admin dashboard for algorithm metadata.

**TextToSQL** Natural-language-to-SQL assistant built with Next.js and OpenRouter. Uses schema-aware prompting (real table/column definitions injected into context), rejects non-**SELECT** queries via static parse validation, and enforces read-only DB sandboxing as a second layer — SQL always shown for transparency.

**ResumeTailor** AI-powered resume tailoring tool built with Next.js and OpenRouter. Stores resume as structured JSON and uses it to power three views simultaneously: an interactive editor, a public portfolio page, and a one-click LaTeX export in a real resume class — ATS-aligned keyword rewriting per job description.

**snip.dev** Production-grade URL shortener on the MERN stack with a Redis-first redirect cache — async click analytics ensure redirects never block on DB writes. Implements collision-safe **nanoid** ID generation, 30-day link expiry via MongoDB TTL index, custom aliases, and per-IP rate limiting.

## ACHIEVEMENTS

- **Bharat Shiksha Expo 2025 (Winner)** Recognized for best innovation and social impact with AI companion project built using React, Vite and Firebase.
- **lead Many hackathon** As a leader, I have led many hackathons and guided my team to achieve deserving positions.