

Somil Gupta

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📍 Bulandshahr, Uttar Pradesh - 203001, India

EDUCATION

- **Indian Institute of Information Technology**
Bachelor of Technology in Computer Science and Engineering
◦ CGPA: 8.00/10.00

August 2023 - July 2027
Bhagalpur, India

EXPERIENCE

- **Creova.in** May 2024 – Present
Software Developer Intern — MERN Stack & Next.js Remote
 - Developed and launched **5+** high-availability full-stack applications using MongoDB, Express.js, React, Node.js, and Next.js, supporting **10,000+** monthly active users and **cutting page load times by 35%**.
 - Built and optimized **8** RESTful API endpoints with JWT authentication and input validation, **maintaining 99.9% service reliability** and **boosting frontend response speed by 40%**.
 - Refactored **2,500+** lines of legacy JavaScript code into modular TypeScript components adhering to SOLID principles, **reducing code complexity by 45%** and streamlining future feature development.
- **Adhyaay, IIIT Bhagalpur** August 2024 – Present
Technical Mentor & Web Lead Bhagalpur, India
 - Guided **20+** students in mastering Data Structures, Algorithms, and MERN-stack development, **improving placement readiness by 30%** and **increasing coding challenge success by 40%**.
 - Led a **6-member** team to overhaul the Adhyaay website using Next.js and Tailwind CSS, **accelerating page load performance by 45%**, doubling user engagement, and attracting **1,500+** monthly active users.

PROJECTS

- **CAKE – A Collaborative AI-Assisted Coding Environment** [🌐](#) [🐙](#) March 2025
Tech Stack: React, Vite, Tailwind CSS, WebContainers, Socket.io, Node.js, Express, MongoDB, Redis, JWT, Google Generative AI
 - **Spearheaded** the development of an **AI-powered collaborative coding platform**, supporting **100+ concurrent users**, enabling real-time interaction, live chat, and **AI-assisted code completion**, boosting developer productivity and collaboration.
 - **Fortified WebSocket infrastructure using Socket.io**, diminishing communication latency by 60% and enabling near-instantaneous updates, which enhanced the responsiveness of the platform for all users.
 - **Reduced code deployment time by 80%** through the optimized integration of **WebContainers**, enabling the execution of over **1,000 code snippets daily**, accelerating development cycles for the team.
 - Advanced a **secure JWT-based authentication system** with **bcrypt**, cutting unauthorized access attempts by **95%** and improving login efficiency by **40%**.
 - Deployed the frontend on **Vercel** and backend on **Render**, achieving **99.9% uptime** and scaling to handle **10,000+ API requests daily**.
 - Integrated **Google Generative AI**, improving code generation efficiency by **50%**, reducing debugging time, and enhancing code quality.
- **AGILE – A Workflow Management Platform** [🌐](#) [🐙](#) April 2025
Tech Stack: Next.js, React, Tailwind CSS, Prisma, Clerk, shadcn ui, PostgreSQL, NeonDB
 - **Developed and scaled** a **Kanban-based work management platform**, streamlining project management with **secure authentication via Clerk**.
 - Integrated **markdown editing** using **uiw/react-md-editor**, enhancing documentation and collaboration capabilities.
 - **Implemented a dark/light mode toggle** using **next-themes**, increasing user engagement by **35%**.
 - **Designed and investigated** a **scalable backend with Prisma & PostgreSQL**, reducing data retrieval time by **50%**.
 - Blended **real-time notifications** using **Sonner**, improving task tracking and feedback loops.
 - **Streamlined API performance** and state management, achieving **40% faster task operations**.

SKILLS

- **Front-End:** React.js, Next.js, TypeScript, JavaScript, Tailwind CSS, Responsive Design, UI/UX.
- **Back-End:** Node.js, Express.js, RESTful APIs, WebSockets, JWT, FastApi.
- **Databases:** PostgreSQL, MongoDB, Redis, Prisma ORM.
- **Tools & Testing:** Vercel, Git, GitHub, RabbitMQ, Docker, CI/CD, AWS(S3).
- **Programming Languages:** JavaScript, TypeScript, SQL, C++, Python, Go.
- **Soft Skills:** Debugging, Technical Documentation, Cross-Team Collaboration, Task Prioritization.

ACHIEVEMENTS

- **CodeChef – 3-Star** (Max Rating: 1676), Top 10% globally [coding_bear](#)
- **LeetCode – Max Rating:** 1791, Solved 400+ Data Structures and Algorithms problems [strangecode93](#)
- **Competitive Programming – Winner, Best Team of Batch 2027**, secured first place among 30+ teams in a college-wide coding contest.
- **Smart India Hackathon 2024 – National Finalist**, shortlisted among top 250 teams from 50,000+ participants across India.
- **NMIT Hacks 2025 – Ranked 1st overall** out of 3600+ ideas nationwide; built 'MediVision', an AI-based medical image analysis tool selected as best project across all tracks including AI/ML, Blockchain, and IoT.