

Sidhant Kumar

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Education

B.Tech (Computer Science and Data Science)	CGPA: 7.0
GL Bajaj Institute of Technology and Management	2023 – 2027
Senior Secondary (Class 12)	80.2%
CBSE Board	2022
Secondary (Class 10)	84.4%
CBSE Board	2020

Technical Skills

Languages: C++, JavaScript, TypeScript, Python

Web Technologies: HTML, CSS, React.js, Next.js 15

Backend: Node.js, Express.js, REST APIs

Databases: MongoDB, PostgreSQL, Supabase

Tools & Technologies: Git, GitHub, Redis, OAuth, Visual Studio Code

AI & APIs: Gemini API, LLM Integration

Projects

CodeAutopsy — AI Codebase Analysis Engine

Live Demo | Source Code

Technologies: Next.js, TypeScript, Node.js, Supabase, Redis, Gemini API

- Architected an AI-driven codebase analysis engine that transforms GitHub repositories into structured architectural insights
- Engineered a custom static analysis pipeline to rank file importance using dependency mapping, reducing LLM context overhead by 80%+
- Implemented secure GitHub OAuth integration with Supabase and secure handling of private repositories
- Integrated Redis-based rate limiting and multi-layer caching to optimize performance and reduce repeated analysis time

OfferVault — Peer-to-Peer Placement Registry

Live Demo | Source Code

Technologies: Next.js, TypeScript, Supabase, PostgreSQL, Tailwind CSS

- Developed a full-stack platform for students to anonymously share and analyze verified placement data
- Designed a secure authentication system with institutional email gating to ensure verified participation
- Implemented PostgreSQL schema with Row Level Security (RLS) for complete data isolation and user anonymity
- Built a dynamic dashboard with optimized UI rendering for a seamless and responsive user experience

Experience / Training

Self Training: Full Stack Web Development

• Practicing modern web development using React.js, Node.js and MongoDB

• Gaining hands-on experience with REST API development, backend programming and version control using Git

Certifications

Introduction to Front-End Development — Meta (Coursera)

Achievements

- Completed Meta Front-End Development certification from Coursera
- Built full stack projects demonstrating system design, performance optimization and security
- Solved 100+ data structures and algorithms problems on LeetCode

Activities

- Actively learning modern web development technologies
- Regularly practicing coding and problem solving
- Exploring full stack and system design concepts