Siddharth Jain

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Education

- **University School of Information, Communication and Technology, GGSIPU** — Delhi, India
  Bachelor of Technology - Computer Science & Engineering (CGPA: 8.23 / 10) — September 2023 - August 2027
- **Delhi Public School, R.K.Puram** — Delhi, India
  Central Board of Secondary Education (Class XII: 95.6% | Class X: 93.4%) — April 2019 - March 2023

Skills

Programming Languages	Python, JavaScript, TypeScript, C, C++, Java, C#, Go, Rust, Solidity
Web Development	React.js, Next.js, Zustand, Axios, TailwindCSS, Express.js, FastAPI, Flask, WebSockets, JWT
Databases	MongoDB, PostgreSQL, MySQL, SQLite, Supabase, Redis, Neo4j Aura, Vector DB
AI & Machine Learning	LangChain, LangGraph, LangSmith, DeepEval, RAG, FAISS, Semantic Search, ML, DL, NLP
DevOps & Cloud	GitHub Actions, AWS, Vercel, Docker, CI/CD, CDN, Load Balancing, Microservices
Dev Tools	Git, Postman, Figma, LaTeX, Linux, SSH

Work Experience

Deloitte India — Gurgaon, India
Software Development Intern — June 2026 - August 2026

- Developed an **LLM–agnostic Text–to–SQL pipeline** using LangGraph to convert natural language queries into executable SQL, supporting **multiple SQL dialects** and relational databases with **sub–10 sec execution**.
- Built a **schema–aware semantic routing system** using Neo4j Aura and FAISS embeddings to identify relevant tables, concepts, relationships, and business rules for SQL generation, **significantly improving query generation** over the previous vector–only architecture.
- Implemented **PII masking**, **SQL AST validation**, **self correction**, and automated evaluation using **DeepEval** and **Arize Phoenix**, achieving **96% accuracy** across test cases and improving reliability of generated queries.

Vaultify.club — Remote
Software Development Intern — June 2025 - September 2025

- Developed and maintained a **financial calculator platform** using **Next.js**, implementing **40+ financial calculators** for loans, retirement planning, and other financial use cases with **100% calculation accuracy**.
- Integrated **AWS Bedrock** models (Claude, Llama 2, Titan) with **Lambda**, **WAF**, **Textract**, **S3**, and **Kendra** to build scalable **Generative AI** applications, supporting **1k+ requests/day**.
- Designed and implemented smart contracts using **Solidity** on the **Ethereum Blockchain**, optimizing contract execution to reduce **gas consumption by 12%** and improve transaction efficiency.

Projects

Pokémon App — Online Tracker for Co-operative Pokémon Games — Live Site GitHub

- Built a **Next.js** dashboard with advanced filtering and automated Pokémon linking, supporting **120+ users** and reducing manual data entry by **40%** through an integrated team timeline visualization.
- Developed a resource application backed by **MongoDB** and **Supabase (PostgreSQL)** for **authentication** along with multi-level information storage and retrieval, ensuring efficient data handling and seamless integration.

Cypher — Lightweight, Feature-Rich, Terminal-based Text Editor — GitHub

- Developed a **C** terminal text editor with **Tree-sitter** AST-based syntax highlighting, **incremental search/replace**, and transactional **undo/redo**, loading **50K+ LOC** source files in **<80ms**.
- Engineered a modular terminal UI with **dynamic language loading** via shared libraries, **24-bit true-color rendering**, customizable themes, and **OSC 52 clipboard integration** for seamless local and **SSH**-based editing.

PR Walkthrough — Automated Code Review & Audio Briefing Platform — Live Site Frontend Backend

- Built a **FastAPI** and **LangChain** pipeline using the **Groq API** to parse multi-file GitHub `.diff` payloads, generating structured walkthroughs with **100% schema compliance** in under **5 seconds**.
- Integrated **edge-tts** voice synthesis with a **Next.js** and **TypeScript** frontend, streaming **24kHz audio briefings** that cut manual pull request review time by **60%**.

Achievements and Certifications

- Member of **Google Developer Groups (GDG)**, focusing on **cloud development**, and the **ACM Student Chapter**, consistently ranked **Top 2** in the annual **Advent of Code** DSA challenge leaderboard.
- Solved **400+ problems on** LeetCode with a **contest rating of 1777**.
- Achieved a **1472 contest rating on** Codeforces.
- Competed in Advent of Code for **2023–2025**, placing **50th globally (Top 0.2%)** among **25K+ participants** at best.
- Web Developer Bootcamp by Colt Steele.
- Supervised Machine Learning: Regression and Classification by Stanford and DeepLearning.AI.
- Advanced Learning Algorithms by Stanford and DeepLearning.AI.
- Unsupervised Learning, Recommenders, Reinforcement Learning by Stanford and DeepLearning.AI.