

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 **LangSmith**, 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 **100+ 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 **31K+ 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.
- Best Buy Sentiment Analyzer** — Web Scraping & Data Analysis Tool [GitHub](#)
- Engineered a hybrid sentiment analysis pipeline using **Selenium**, **TextBlob**, and **NLTK Vader**, processing **10,000+ customer reviews** to uncover actionable product insights visualized via **Matplotlib** and **Seaborn**.
 - Developed an automated scraper with **undetected-chromedriver** to bypass anti-bot measures, achieving a **100% data extraction rate** across dynamic, infinite-scrolling pages.

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 **1364 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.