

Siddhi Agrawal

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LeetCode: siddhiagrawall — GitHub: @siddhiagrawall — LinkedIn: Siddhi Agrawal

Education

G.L. Bajaj Institute of Technology and Management, Greater Noida

Bachelor of Technology (Computer Science and Engineering)

Radiant Stars English School, Aligarh

Class 12th (PCM)

Radiant Stars English School, Aligarh

Class 10th

August 2025

CGPA: 8.2/10

June 2021

Percentage: 93.4%

June 2019

Percentage: 97%

Skills

- C++ (2+ years)
- Python (2+ years)
- Data Structures & Algorithms
- Machine Learning
- HTML, CSS, Tailwind CSS
- Django
- SQL
- VS Code
- JavaScript, React.js
- PostgreSQL (Basics)
- Git, GitHub
- Object-Oriented Programming

Experience

Graduate Engineer Trainee | Futuristic Bots

Nov 2024 – Present

- Developed modular software features in **Python** and **C++** for a **Linux-based** robotics environment, enhancing development efficiency by 30%.
- Designed a secure kiosk-mode screen locking mechanism using Python and OS-level scripting, deployed across 100+ warehouse systems.
- Optimized real-time control algorithms for warehouse robots, integrating live sensor data via **CAN bus**, reducing latency by 40%.
- Built a **LiDAR** + **ML**-based pallet detection system with 85% accuracy, boosting robot productivity by **70–80%**.

Software Development Intern | STYX

July 2024 – Aug 2024

- Designed and implemented a React.js dashboard for tracking 100+ company policies.
- Integrated **Appwrite** backend services and improved page performance by 35%.
- Conducted component-level testing and bug fixes, reducing UI inconsistencies by 20%.

Projects

Project Management System | Django, Tailwind CSS, Docker, SQLite, Acorn | [GitHub](#)

- Built a full-stack system with **3 modules** and **20+ CRUD operations**; implemented custom user auth and file uploads.
- Deployed to cloud using **Docker** and **Acorn**, with persistent data storage in **SQLite**.

AI Resume Builder Web App | React, Vite, Tailwind, Strapi, OpenAI API | [GitHub](#)

- Developed an AI-based resume builder delivering results in **¡10 seconds** via **OpenAI GPT**.
- Integrated **Strapi** CMS and optimized architecture for **¡1s API response time** and **30% faster** load speed.

CPU Scheduling Simulator | C++, Process Scheduling | [GitHub](#)

- Simulated **8 CPU scheduling algorithms** for **5+ processes** with full timeline stats.
- Output metrics included **turnaround time**, **normalized turnaround**, and performance comparisons.

Achievements

- Finalist in **SIH 2023**, **Flipkart Grid 5.0**, and **Algobash (TechNunctus'23)** among 5000+ participants.
- Contributed open-source features and resolved issues for **GirlScript Summer of Code** and **GDG New Delhi**.
- Served as **Joint Secretary, E-Cell GLBITM (2022–2023)**; led and organized 10+ events and startup sessions.
- Solved **800+ Data Structures & Algorithm problems** across platforms like **LeetCode**, **Geeks-ForGeeks**, and **CodeStudio**.