

SUMIT AGARWAL

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EDUCATION

- Jadavpur University, Kolkata** Oct 2021 – June 2025
Bachelor of Engineering in Information Technology CGPA: 8.59
- Caesar School, Mal Bazar** 2021
Central Board of Secondary Education, 12th Percentage: 92.4
- Caesar School, Mal Bazar** 2019
Central Board of Secondary Education, 10th Percentage: 92.6

EXPERIENCE

- Amazon, @AWS DynamoDB** Jan 2025 - June 2025
Software Development Engineer Intern Bangalore, India
 - Tools & Technologies used:** Java, Ruby, AWS Services (DynamoDB, IAM, S3, EC2, ASG), TPS Generator
 - Developed an **automated framework** to simulate load on the DDB Streams server for continuous load testing.
 - Integrated **automated load and qualification testing stages** into the DDB Streams pipeline, reducing manual effort from **3–4 SDE weeks** to **2–3 days**.
 - Added features like **alarms, rollback, metric generation**, and parallel execution, making the framework configurable and production-ready.
 - Enabled **report generation and metric analysis** to evaluate system performance under simulated customer traffic.
 - Worked on **infrastructure setup and designing** and incorporated feedback from senior engineers to improve scalability and reliability.
- Motorola Solutions** May 2024 - July 2024
Software Engineering Intern Kolkata, India
 - Tools & Technologies used:** Python3, FastAPI, Celery, Redis, pysnmp
 - Implemented **Agent Discovery & Adoption** using networking technologies and performed robust error handling.
 - Developed RESTful APIs for **task scheduling, agent discovery, adoption and disown** in a distributed environment.

PERSONAL PROJECTS

- CollegeSeek** Frontend Code Backend Code
Group Discussion and Doubt Solving Platform
 - Tools & Technologies used:** ReactJS, NodeJS, ExpressJS, MongoDB, MUI, Cloudinary, JWT Auth, bcryptjs
 - Developed a full-stack platform for students to **post doubts, explore content**, and **engage in group discussions**.
 - Integrated features like **JWT-based user authentication/authorization**, post creation, and real-time commenting.
- ChatSpace** Full Code
Real-Time Group Chat Application
 - Tools & Technologies used:** HTML, CSS, JavaScript, NodeJS, Socket.IO
 - Built a **real-time, anonymous group chat app** using WebSockets to support instant messaging.
 - Handled **multi-user communication channels** using Socket.IO and ensured responsiveness of the website.

TECHNICAL SKILLS AND INTERESTS

Languages:	JAVA, C++ (Intermediate), SQL, JavaScript
Developer Tools:	Leetcode Playground, IntelliJ, VS Codes, CodeSpace, Replit
Techs/Frameworks:	HTML, CSS, ReactJS, NodeJS, ExpressJS
Databases:	MySQL, MongoDB
CS Fundamentals:	DSA, OOPS(JAVA), DBMS, Operating System, Computer Networking
Technology:	Git, GitHub, Bitbucket, Cloudinary, PostMan

PROGRAMMING PROFILE

</> LeetCode </> CodeChef

ACHIEVEMENTS

- LeetCode**: Solved over 1250+ Problems
- Google KickStart**: Ranked 2779 in Google KickStart 2022 Round G
- Google HashCode**: AIR 1196 in Google HashCode 2022 (Team: GEN-E)