

# Aditya Kumar

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 LinkedIn —  GitHub —  LeetCode

## SUMMARY

Computer Science undergrad skilled in C++, Data Structures & Algorithms, and Backend Development. Experienced in building real-time, scalable systems using Node.js, Express.js, Redis, and MongoDB. Solved 300+ LeetCode problems and built multiple projects combining system design principles with practical applications.

## EDUCATION

**Bachelor of Technology (B.Tech) in Computer Science** **July 2026**  
Galgotias University, Greater Noida **CGPA: 8.14**

**Class XII (Senior Secondary)** **2022**  
Central Public School, CBSE *Percentage: 80%*

**Class X (Secondary)** **2020**  
Y.M.C.A Centenary School & College, CBSE **Percentage: 94%**

## SKILLS

**Programming Languages:** C++, Dart, Java, Javascript  
**Backend:** Node.js, Express.js, REST APIs, Redis, MongoDB, JWT, Postman  
**Frontend:** React.js, Flutter(Dart)  
**Tools/Technologies:** Git, Github, Postman  
**DSA:** 300+ problems solved on LeetCode

## PROJECTS

**SecureStep – 24/7 Women Safety App** **July 2025**  
*Node.js, Express.js, Redis, MongoDB, Flutter*

- Engineered backend services to support real-time women safety alerts.
- Designed a location-tracking system using Redis for caching and MongoDB for persistence, handling updates every 10 seconds while reducing DB writes by 95.83
- Implemented REST APIs for alert triggers, contact management, and live tracking retrieval.
- Integrated email notifications: on emergency, backend sends live location to trusted contacts with 10s latency.
- SecureStep — Frontend GitHub Repository: <https://github.com/adityaKumar0909/SecureStep-frontend>
- SecureStep — App GitHub Repository: <https://github.com/adityaKumar0909/SecureStep-app>

**Sorting Algorithm Visualizer** **Feb 2025**  
*Dart, Flutter*

- Developed a Flutter-based mobile app that visually demonstrates sorting algorithms
- Features: step-by-step animations, speed controls, interactive UI
- Implemented Selection Sort; Merge Sort and Quick Sort in progress
- GitHub Repository

**Recipe Riot** **Nov 2024**  
*Dart, Flutter, OOPs*

- Built a recipe app using Android Studio integrating APIs and OOP
- Features: recipe search, categorization, and user-friendly interface
- GitHub Repository

## CERTIFICATIONS

- Mastering Data Structures & Algorithms in C++ — Udemy — 2024
- Software Engineering and Testing Methodologies — NPTEL (IIT Kharagpur), 2024

## ACHIEVEMENTS

- Solved 300+ questions on LeetCode
- Ranked in top 20 out of 300 teams in SIH(2024)