

ALOK KUMAR

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PROFESSIONAL SUMMARY

Second-year Computer Science student with strong foundations in Data Structures and Algorithms and experience applying them to solve 200+ LeetCode and 700+ CodeChef problems. Demonstrated consistent problem-solving ability, algorithmic thinking, and attention to edge cases. Actively contributed to open-source projects with multiple merged pull requests and experience collaborating in distributed development environments.

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, Python, C

Web Technologies: HTML, CSS, React.js, Node.js, Express.js

Databases: MongoDB, MySQL

Core Concepts: Data Structures and Algorithms, OOP, REST APIs, Authentication

Tools & Platforms: Git, GitHub, VS Code, IntelliJ IDEA, Postman

OPEN SOURCE EXPERIENCE

Apache Airflow

Open Source Contributor

Remote

2025

- Contributed to the Apache Airflow core codebase through five successfully merged pull requests.
- Worked on DAG-related enhancements, bug fixes, and performance optimizations using Python.
- Collaborated with global maintainers through detailed code reviews and discussions.

PROJECTS

StayGlory Hotel Booking Platform

Full Stack MERN (MongoDB, Express.js, React.js, Node.js)

Aug 2025 – Nov 2025

- Designed and developed a full-stack hotel booking platform enabling users to search, book, and manage reservations.
- Implemented secure authentication and authorization using JWT.
- Built RESTful APIs and scalable MongoDB schemas for performance and extensibility.

Mind Length Game (Inspired by the Simon Game) HTML, CSS, JavaScript

Feb 2025 – Apr 2025

- Developed an interactive memory-based game inspired by the classic Simon Game to test and improve pattern recall.
- Implemented dynamic sequence generation, user input validation, and progressive difficulty levels.
- Designed responsive UI with visual and sound feedback to enhance user engagement and gameplay experience.

ACHIEVEMENTS & CERTIFICATIONS

- Solved 200+ problems on LeetCode and 700+ problems on CodeChef.
- Google Cloud Arcade Trooper – earned 40 points and official recognition.
- IBM AI Foundations Certification.

EDUCATION

Bachelor of Technology in Computer Science and Engineering

2024 – 2028

ABES Engineering College, Ghaziabad

Relevant Coursework: Data Structures and Algorithms, Java Programming, Web Development, Artificial Intelligence