

# ALOK KUMAR

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## EDUCATION

<b>ABES Engineering College</b> , Dr. A.P.J. Abdul Kalam Technical University	
Bachelor of Technology in Computer Science Engineering	2024–2028
<b>Bihar School Examination Board</b>	
• Senior Secondary Education (PCM): <b>88%</b>	2021–2023
• High School Education: <b>90%</b>	2020–2021

## 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, Postman, Mapbox, Cloudinary

**AI / Machine Learning (Foundational):** Machine Learning and Natural Language Processing fundamentals using Python, including data preprocessing, basic model experimentation, understanding of LLM-based systems, and AI ethics.

## OPEN SOURCE EXPERIENCE

<b>Apache Airflow</b>	Remote
Open Source Contributor	2025
• Contributed to the Apache Airflow core codebase with four successfully merged pull requests.	
• Collaborated with global maintainers through structured code reviews, CI pipelines, and technical discussions.	

## PROJECTS

<b>StayGlory — Hotel Booking Platform</b> / <a href="#">GitHub</a> / <a href="#">Live</a>	
Full Stack MERN Application (Node.js, Express.js, MongoDB Atlas)	Aug 2025 – Nov 2025
• Built a <b>full-stack MERN</b> hotel booking platform enabling users to browse, list, and manage hotel stays.	
• Designed and implemented RESTful APIs using Node.js and Express.js following MVC architecture.	
• Implemented authentication and session management using Passport.js with MongoDB-backed sessions.	
• Integrated Mapbox for geolocation features and Cloudinary for image storage and uploads.	
• Deployed the application on Render with MongoDB Atlas and secure production configuration.	
<b>Mind Length Game (Simon Game Inspired)</b> / <a href="#">GitHub</a> / <a href="#">Live</a>	
HTML, CSS, JavaScript	Mar 2025 – Apr 2025
• Built a JavaScript-based memory game inspired by Simon with level-based game logic and state management.	
• Designed a responsive UI with visual and audio feedback to improve user interaction and gameplay flow.	

## ACHIEVEMENTS & CERTIFICATIONS

- **5-Star (Gold Badge)** in Java on HackerRank
- Solved 250+ problems on LeetCode and 700+ problems on CodeChef & Codeforces
- Google Cloud Arcade Trooper — earned 40 points with official recognition.
- Artificial Intelligence Fundamentals — IBM SkillsBuild (ML, NLP basics, data preprocessing).