

ALOK KUMAR

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EDUCATION

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

Apache Airflow	Remote
<i>Open Source Contributor</i>	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

StayGlory — Hotel Booking Platform / GitHub / Live	
<i>Full Stack MERN Application (Node.js, Express.js, MongoDB Atlas)</i>	Aug 2025 – Nov 2025
• Built a full-stack MERN 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.	

Mind Length Game (Simon Game Inspired) / [GitHub](#) / [Live](#)

<i>HTML, CSS, JavaScript</i>	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).