

Aadi Bhardwaj

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Github: <https://github.com/rooteduser> | LeetCode: https://leetcode.com/u/_aadibhardwaj_

SUMMARY

Passionate Full Stack Developer skilled in leveraging the MERN stack for comprehensive front-end and back-end web application development. Adept at designing and implementing robust, scalable solutions to complex challenges. Eager to contribute to dynamic teams and build impactful web applications.

SKILLS

- Languages:** Java, C++, JavaScript and Python
- Frameworks & Libraries:** React, Node, Express, MongoDB, Tailwind CSS
- Database Management:** SQL and NoSQL
- Collaboration Tools:** Git
- Deployment Tools:** AWS(EC2, S3), Docker
- Leetcode:** 112 Problems Solved

EDUCATIONAL BACKGROUND

- VIT Bhopal University (2023 – 2027)
- BTech in Computer Science and Engineering
- CGPA: 8.86
- Montfort Senior Secondary School, Roorkee
- | | | |
|-----------|---|-------|
| Class X | : | 95.8% |
| Class XII | : | 87.8% |

Experience IIT Roorkee May 2025 – June 2025

- Artificial Intelligence Research Assistant
- Explored CNN-LSTM, I3D, and C3D architectures for video-based human activity recognition.
 - Optimized transformer-based temporal models on Kinetics-400, improving throughput by 20%.
 - Collaborated in cross-functional teams on scalable, real-time classification pipelines.

PROJECTS

- Quiz Generation Website | (MERN Full-Stack) [LINK](#)
- Built a platform integrating the Open Trivia Database for automated quiz generation and a Qwen 1.5 billion parameter AI model for user-defined topic questions, with PDF upload functionality to convert documents into diverse, customizable quizzes.
 - Implemented a user-friendly quiz-taking interface with dynamic question generation and customization features, ensuring an interactive and tailored experience for users.
- Health Monitoring Application | (MERN Full-Stack) [LINK](#)
- Developed an application to revolutionize personal health management by combining technology with convenience and safety.
 - Uses a Google MedPalm-like AI to analyze and detect any potential harmful interactions between prescribed medications, considering past medical history.
- URL Shortener Application | (MERN Full-Stack) [LINK](#)
- A responsive URL shortener application using React for an interactive frontend and Spring Boot for a scalable and efficient backend.
 - RESTful APIs with Spring Boot for generating, storing, and retrieving shortened URLs, ensuring fast and reliable redirection functionality.

LEADERSHIP & RESPONSIBILITIES

English Literary Association VIT Bhopal

- Technical Team Member
- Leveraged web development skills to design and build the ELA Club VIT Bhopal website from scratch creating a responsive, user-friendly platform with interactive features to promote club events and enhance engagement.
 - Supported the ELA Club by managing finances for various events throughout the year, ensuring efficient budgeting, cost tracking, and resource allocation to successfully execute engaging activities like literary workshops, poetry readings, and book discussion sessions.