

Aditya Raghuwanshi

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EDUCATION

Institute of Engineering and Technology, DAVV, Indore
B.E. in Computer Engineering

Oct 2022 – May 2026 (Expected)
CGPA: 8 / 10

Mansarovar Academy
Percentage: 92%

Class 12

Vatsalya Sr. Secondary
Percentage: 92.4%

Class 10

PROJECTS

Sorting Algorithm Visualizer

React.js, Tailwind CSS, JavaScript

- Developed a dynamic and responsive web application to visually demonstrate sorting algorithms, starting with Bubble Sort.
- Integrated interactive sliders to adjust array size and animation speed in real time, enhancing user engagement and control.
- Leveraged React.js for a modular component-based structure and Tailwind CSS for a clean, responsive UI.
- Engineered the architecture to be easily extendable for additional algorithms such as Merge Sort and Quick Sort.
- Aimed at improving algorithm comprehension for learners by animating comparisons and swaps with visual cues.

Quiz Web Application

React.js, Node.js, Express, MongoDB

- Built an interactive quiz platform with timed questions, score tracking, and instant feedback.
- Designed responsive UI with Tailwind CSS and integrated REST API for question management and user authentication.
- Implemented admin panel to create, update, and delete quiz questions with real-time updates .

KEY COURSES TAKEN

Data Structure and Algorithm, Operating System, DBMS, OOPS, Computer Architecture, Software Engineering

TECHNICAL SKILLS

- **Languages:** C++, C, JavaScript, HTML, CSS
- **Frontend:** React
- **Database:** MySQL, MongoDB
- **Backend:** Nodejs, Express

COMPETITIVE PROGRAMMING

- Codeforces rating above 1200+.
- Solved 1000+ DSA problems across platforms like (Leetcode , Codeforces, GeeksforGeeks).

ACHIEVEMENTS

- Qualified for Round 2 of **Smart India Hackathon 2024**. Built **Khet-e**, a full-stack app to digitize agricultural contracts between farmers and traders.