Aditya Raghuwanshi

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EDUCATION

Institute of Engineering and Technology, DAVV, Indore   Oct 2022 – May 2026 (Expected)
B.E. in Computer Engineering   CGPA: 8 / 10

Mansarovar Academy   Class 12
Percentage: 92%

Vatsalya Sr. Secondary   Class 10
Percentage: 92.4%

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.

Expense Tracker Web App
React.js, Node.js, Express

- Developed a full-stack app for tracking expenses with charts, CRUD, login, and budget insights.

- Responsive UI with Tailwind CSS and backend REST API using Express and MongoDB.

- Used React Context API for global state management to handle transactions and update UI in real-time.

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, Machine Learning, Computer Networking, Software Engineering

TECHNICAL SKILLS

- **Languages:** C++, Python, C, JavaScript, Java, HTML, CSS

- **ML/Tools:** Python, Machine Learning

- **Frontend:** React

- **Database:** MySQL, MongoDB

- **Backened:** 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.