

Aditya Raghuwanshi

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🌐 [Aditya-138](#) — [aditya-raghuwanshi-aa8220257](#) — [LeetCode](#) — [Codeforces](#)

Education

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

Oct 2022 – May 2026 (Expected)
CGPA: 8.0 / 10

Mansarovar Academy, Vidisha
Percentage: 92%

Class XII (2021)

Vatsalya Sr. Sec. School, Vidisha
Percentage: 92.4%

Class X (2019)

Technical Skills

Languages: C++, JavaScript, SQL

Frontend: HTML, CSS, React.js

Backend: Node.js, Express.js, MongoDB

Core CS FUNDAMENTAL: Operating Systems, DBMS, Computer Networks, OOPs, Machine Learning

Projects

Expense Tracker Web App

React.js, Node.js, Express.js, MongoDB

- Developed a full-stack **Expense Tracker** enabling users to add, edit, delete, and filter transactions by category and date.
- Implemented **RESTful APIs** in Express.js and integrated them with React via Context API for seamless state management.
- Utilized **MongoDB** for persistent data storage with schema design supporting multiple users and secure access.
- Designed a **responsive, minimal UI** optimized for mobile and desktop users to efficiently monitor daily spending.
- Enhanced user experience with **real-time updates** and modular code structure for scalability and maintainability.

Sorting Algorithm Visualizer

React.js, JavaScript, CSS

- Created an interactive **Sorting Visualizer** to demonstrate algorithms such as Bubble, Selection, Insertion, Merge, and Quick Sort.
- Applied **asynchronous JavaScript** and React state hooks to dynamically control sorting speed, size, and visualization.
- Implemented color-coded bar animations and step-wise highlights for better conceptual understanding of algorithm behavior.
- Focused on UI performance optimization and user interactivity to simulate real-time sorting processes.
- Designed a **clean, responsive interface** showcasing algorithm efficiency and time complexity through visual cues.

Achievements

- Solved **900+ DSA problems** across LeetCode, GeeksforGeeks, and Codeforces (Rating: 1200+).
- **Smart India Hackathon 2024:** Qualified Round 2 with “Khet-E” — a verified farmer-to-buyer marketplace.

Position of Responsibility

Coordinator – RAAS Club, IET DAVV

Aug 2022 – Present

- Organized and managed 10+ student-led technical and cultural events.
- Promoted inter-department collaboration via coding drives, hackathons, and workshops.