

Dhruv Pandey

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EDUCATION

Amity University, Uttar Pradesh

2025 – 2029

B.Tech in Computer Science and Engineering
CGPA: 8.41

JL Nehru Girls Public School, Ghaziabad

2025

CBSE Senior Secondary Education
Percentage: 77

TECHNICAL SKILLS

Languages: C++, C, JavaScript, HTML, CSS

Web Technologies: DOM Manipulation, REST APIs, Async Programming, Tailwind CSS

Tools: Git, GitHub, Linux, VS Code

Concepts: Data Structures and Algorithms, STL, Object-Oriented Programming, Problem Solving

PROJECTS

AirIQ | *HTML, CSS, JavaScript, Tailwind CSS, Leaflet.js, REST APIs*

Live Demo

- Developed a web-based air quality monitoring application with real-time AQI, PM2.5, and PM10 insights using public APIs.
- Integrated browser geolocation and Leaflet maps to visualize location-specific environmental data.
- Implemented dynamic dashboards, health recommendations, an interactive assistant, and responsive dark/light mode.

Personal Budget | *HTML, CSS, JavaScript, Node.js, Express.js, PostgreSQL*

Live Demo

- Built a full-stack budgeting application to track income, expenses, and category-wise budgets.
- Implemented CRUD operations and fund transfers between budget categories using RESTful APIs.
- Designed a responsive interface with dynamic DOM updates for a seamless user experience.

Cinéma | *HTML, CSS, JavaScript, TMDB API, OMDb API*

Live Demo

- Developed a movie discovery web application integrating TMDB and OMDb APIs for real-time search and recommendations.
- Implemented asynchronous API requests to display movie details, ratings, posters, and backdrops.
- Added genre-based browsing and random movie discovery with a responsive, user-friendly interface.

LEADERSHIP EXPERIENCE

Execution Head, Forge X Club, Amity University

- Planned and coordinated club events and student engagement activities.
- Managed team execution, task allocation, and event operations.
- Collaborated with members to organize technical and community-focused initiatives.

ACHIEVEMENTS

- Solved 40+ Data Structures and Algorithms problems in C++.
- Maintained multiple public GitHub repositories focused on programming and web development.
- Active learner of Data Structures and Algorithms through the Striver A2Z roadmap.
- Execution Head of Forge X Club at Amity University.