Aviral Kumar

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Education

ABES Institute of Technology, Ghaziabad	**2021 - 2025**
B.Tech in Computer Science & Engineering	
Saraswati Vidya Mandir Inter College, Gola Gokarnnath, Kheri	**2021**
12th	
Saraswati Vidya Mandir Inter College, Gola Gokarnnath, Kheri	**2019**
10th	

Technical Skills

Languages: Python, Java, JavaScript
Backend: Node.js, Express.js
Frontend: React, TailwindCSS, HTML, CSS, Bootstrap
Clouds & Databases: AWS, MySQL, MongoDB
Web Technologies: Docker, Socket.IO
Developer Tools: Postman, VS Code, GitHub, Git

Projects

Wanderlust — Live

- Developed a full-stack **CRUD web application** for managing travel listings and user reviews.
- Implemented a full-stack application where users can **Create, Read, Update, and Delete** listing and reviews.
- Utilized **Node.js, Express.js, MongoDB, and EJS** to build dynamic, server-rendered pages.
- Implemented **RESTful APIs** with modular routing and MVC architecture for scalability.
- Deployed on a cloud platform with Git-based version control and environment configuration.

Weather Application

- Created a responsive weather application using **HTML, CSS, and JavaScript**.
- Fetched real-time data from the API based on dynamic user input.
- Displayed temperature, humidity, wind speed, and weather conditions with clean UI.
- Handled API errors and edge cases to improve reliability and user experience.
- Focused on client-side performance, accessibility, and mobile responsiveness.

Apna Video Conference

- Built a real-time video conferencing platform using the **MERN stack** and **Socket.IO**.
- Integrated **WebRTC** for peer-to-peer video and audio streaming.
- Developed frontend using **React.js** and backend with **Node.js, Express.js, and MongoDB**.
- Implemented room-based calls, join/leave alerts, mute/unmute, and chat functionality.
- Deployed on cloud infrastructure with HTTPS support and real-time signaling.

Algorithmic Competitions & Achievements

- Solved **150+ Data Structures and Algorithms (DSA) problems** to enhance problem-solving and coding skills.
- Completed comprehensive *DSA* and *Full Stack Development* courses from **Apna College**, covering algorithms, data structures, backend, and frontend technologies.
- Completed *Front-End Developer* course from **Coding Ninjas**, focusing on HTML, CSS, JavaScript, React, and responsive design.
- Introduced to *Java programming* through the **Coding Ninjas** course with foundational concepts and practical exercises.

Hobbies & Interests

- **Kabaddi:** Passionate about playing kabaddi; enjoy the physical intensity and team coordination involved in the sport.
- **Traveling:** Enthusiastic traveler who loves exploring new places, cultures, and cuisines.