Aditya Verma

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GitHub || LinkedIn

Education

VIT Bhopal University   **July 2021 – June 2025**
B.Tech CSE, Specialization in AI and ML - CGPA – 8.53

Sherwood College, Nainital   **March 2020 – March 2021**
12th ISC Board – Percentage - 89.5%

Sherwood College, Nainital   **March 2018 – March 2019**
10th ICSE Board – Percentage - 80.6%

Technical Skills

Programming Languages: JavaScript, Python
Frameworks/Libraries: React, Node.js, Express.js, FastAPI
Databases: MongoDB, PostgreSQL
Tools/Technologies: Git, GitHub, Docker, RESTful APIs
Certifications: AWS Cloud Practitioner, Web Developer Bootcamp (Udemy), Ethnus MERN Stack

Projects

Collab Code - *React, NodeJS, ExpressJS, MongoDB, Axios, JWT, SocketIO*   **October 2024 - November 2024**
- Implemented a real-time collaborative platform where users can create, manage, and collaborate on code files. Users can add, update project file structures, and communicate in real-time.
- Developed a real-time collaborative code platform using React for the frontend and Node.js/Express.js for the backend.
- Implemented real-time collaboration using Socket.IO and RESTful APIs with Express.js, enabling users to create, manage, and collaborate on code files, update project structures, and communicate in real time.
- Integrated MongoDB for database management and JWT for secure authentication, ensuring controlled access to project resources, and leveraged Google Generative AI to generate code snippets and project structures, enhancing productivity.

JobEase Portal - *ReactJS, Redux, NodeJS, Cloudinary, JWT, Multer, MongoDB*   **July 2024 – August 2024**
- Designed and developed a job portal to streamline the hiring process, enabling students to find opportunities and recruiters to manage job postings, applications, and candidate profiles efficiently.
- Built a full-stack job portal using React and Node.js, enabling recruiters to post and manage job listings while allowing students to update profiles, upload resumes, and apply for jobs.
- Implemented RESTful APIs with MongoDB for database management, JWT-based authentication with role-based access control, and integrated Cloudinary for efficient storage and retrieval of documents.
- Utilized Redux for efficient state management and implemented real-time notifications to keep users informed about application status updates, ensuring a seamless user experience.

StreamVID – *Node.js, Express, MongoDB, Cloudinary, JWT*   **March 2024 - April 2024**
- Built a scalable video-sharing platform with secure authentication, efficient media storage, and optimized data management, enabling seamless user interactions and fast video handling.
- Developed a backend clone of YouTube using Node.js and Express.js, demonstrating strong backend development skills.
- Designed RESTful API's using Node.js and Express.js for user authentication and video management, leveraging MongoDB with optimized data models and schemas to enhance retrieval speed and reduce latency.
- Integrated Cloudinary for efficient media storage and fast video handling, while implementing secure JWT authentication to ensure robust user verification and protect sensitive data from unauthorized access.

Co-Curricular

- **SIH-2024:** Spearheaded the creation of a Chatbot at Smart India Hackathon 2024 using RAG technology; focused on improving response accuracy by addressing three key user interaction challenges identified in preliminary research.
- **Hackathon:** Collaborated in 2 Major League Hacking Local Hack Days, where innovative solutions were developed for complex challenges while enhancing proficiency in emerging technologies relevant to the software development industry.