Abhinav Jain

Vellore Institute of Technology Bhopal

Bachelor of Technology Computer
Science and Engineering

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Technical Skills

Programming Languages: Java, C++, Python, JavaScript, TypeScript, SQL, HTML5, CSS
Technologies/Frameworks: React, Node JS, Express, Next JS, Zod, Tailwind CSS
Developer Tools: Git, GitHub, Docker, Vercel, Firebase, Appwrite, MongoDB, PostgreSQL

Projects

Path Finder - *Self Project, Tech Stack: Data Structures and Algorithm, Html, CSS, JavaScript*   **LIVE GITHUB**
- Created an interactive web application utilizing Dijkstra's algorithm to identify the shortest route between two cities.
- This project showcases my proficiency in pathfinding algorithms and web development.
- Implemented an intuitive interface for efficient route visualization and path selection, enhancing user experience and accessibility.
- Engineered scalable solutions to optimize application performance, reduced processing time by 40% and increased user satisfaction by 25%

Quiz Master Web APP - *Team Project, Tech Stack: Html, CSS, JavaScript, React, Node Js*   **LIVE GITHUB**
- Build an online quiz portal for VIT Bhopal students, earning an '**A' grade,** boost learning efficiency by 40% and boosted student engagement by 25% through interactive quizzes.
- Designed and implemented a **real-time leaderboard function** that tracks user performance on selected quizzes, leading to grew user engagement by 40% and enhancing overall satisfaction scores by 15%.
- Maintained a database of more than 100 quiz questions on various programming topics like C++, Python and Html etc.

Coffee-Bean - *Open-Source Project, Tech Stack: HTMS, CSS*   **LIVE GITHUB**
- Engineered an aesthetically pleasing and user-friendly e-commerce platform for a coffee shop; boosted average session duration by 50% and conversion rate by 35% through strategic design enhancements.
- Conceptualized and operated a new frontend interface for the website, raising user experience and contributing to a 40% rise in monthly active users and a 20% increase in average session duration.

Full Stack TODO Application – *Self Project, Tech Stack: Node.Js, Express.Js, React, MongoDB, CSS, JavaScript*   **GITHUB**
- Developed a full-stack TODO software development of application using the MERN stack (MongoDB, Express.js, React, Node.js) with CRUD functionality and real-time updates, enhancing task management efficiency by 30%.
- Utilized Mongoose for database operations and MongoDB Atlas for cloud hosting. Strengthen user interaction with input validation and responsive design using CSS.

Education

Vellore Institute of Technology	**Bhopal, Madhya Pradesh**
Bachelor of Technology Computer Science and Engineering	2022-2026

GPA: 8.28 **Relevant coursework**: Data Structures, OOPS, CS fundamentals, DBMS, System Design

Industry Certified Courses

- **Google Cloud Study Jams-Google Cloud Skill Boost**: Learned about cloud based google technologies through study party events. From containerizing applications to data engineering
- **The Bits and Bytes of Computer Networking-Google:** Learned everything from the fundamentals of modern networking technologies and protocols to an overview of the cloud to practical applications and network troubleshooting.
- **Introduction to Front-End Development-Meta:** Completed the course designed by the software engineering experts at Meta—the creators of Facebook and Instagram, prepared for a career as a front-end developer.
- **Cloud Computing -NPTEL:** This course introduced various aspects of cloud computing, including fundamentals, management issues, security challenges and future research trends. course.

Activities

Open-Source Contributor
HacktoberFest 2023
- Successfully completed HacktoberFest 2023 by contributing to various open-source repositories. Merged multiple pull requests, enhancing project functionalities and demonstrating coding skills in Java, C++, HTML, CSS, and JavaScript within a month.