

DHRUV VASHISTHA

+91-9084875133

vashisthadhruv61@gmail.com

LinkedIn

Github

EDUCATION

Vellore Institute of Technology

B.Tech - Computer Science and Engineering

2021 – 2025

Vellore, Tamil Nadu

Saint Mary's Sr Sec School

Class 10th (CBSE) - 90.4%, Class 12th (CBSE) - 84%

2010 – 2021

Haridwar, Uttarakhand

COURSEWORK

- Data Structures and Algorithms
- Object Oriented Programming
- Database Management Systems
- Operating Systems
- Computer Networks
- Software Engineering

TECHNICAL SKILLS

- Programming: C++, Java, Python
- Database: MySQL
- Development: HTML, CSS, JavaScript, ReactJs
- Data Analysis and Visualization: NumPy, Pandas, Matplotlib
- Development Tools: Git, GitHub

EXPERIENCE

Web Development Intern

June 2023 – August 2023

OctaNet SW Services ([Offer Letter](#))

Remote

- Designed and managed responsive web apps utilizing HTML, CSS, and JavaScript.
- Collaborated with cross-functional teams to design and implement new features, enhancing user experience.
- Completed 3 projects in a limited timeframe of 50 days, demonstrating strong time management and technical skills.

PROJECTS

Chatify - React Real-Time Chat Application ([Source Code](#)) ([Live Project](#)) June 2024 - July 2024

- Pioneered the development of a robust real-time chat platform, achieving 99.9% uptime by integrating Firebase for secure user authentication and scalable message storage, serving over 5,000 active users concurrently.
- Crafted a dynamic, responsive user interface using React and Material-UI, enhancing usability and visual appeal with 20+ customizable components, leading to a 40% increase in user satisfaction.
- Engineered real-time data synchronization, enabling instantaneous message delivery and live updates without page reloads, reducing latency to under 200 milliseconds and improving user interaction.
- Leveraged Firebase Firestore to enhance data query efficiency, achieving 50% faster data retrieval times and supporting scalable growth for future expansions.
- Deployed the application on Netlify, ensuring smooth and efficient continuous deployment with minimal downtime.

PathFinder-Pro Searching and Path Visualizer ([Source Code](#)) ([Live Project](#)) Jan 2024 - Feb 2024

- Pathfinder Pro is a highly interactive and dynamic search and pathfinding visualizer built with HTML, CSS, JavaScript, and jQuery, designed to enhance algorithm comprehension and user engagement.
- Engineered real-time visualizations for Depth First Search (DFS) and Breadth First Search (BFS) algorithms, simulating search behavior with 100% accuracy across varied datasets.
- Optimized pathfinding with Dijkstra's Algorithm and A* Algorithm, reducing computation time by 30%, resulting in smoother user interactions and faster decision-making.
- Successfully deployed on Netlify, achieving 99.9% uptime and sub-2 second load times, ensuring a seamless and responsive cross-device experience for over 1,000 users.

CERTIFICATIONS

Amazon Web Services Certified Cloud Practitioner

Valid upto February 2027

Amazon Web Services Training and Certification ([Certificate](#))

970/1000 in AWS exam

Google Cloud Certified Cloud Digital Leader

Valid upto February 2027

Google Cloud ([Certificate](#))