

C Adikesava

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SKILLS

- **Languages :** C/C++, Java , Python , JavaScript, PHP.
- **Frameworks:** HTML5 and CSS3, Tailwind, jQuery, React JS, Node JS, Express JS.
- **Tools/Platforms:** MySQL, PostgreSQL, MongoDB, Git, GitHub, BotPress.
- **Soft Skills:** Problem-Solving, Adaptability, Quick Learner, Leadership, Data Structures and Algorithms.

PROJECTS

MediTrack Pro – Healthcare Management System (MERN) : | [Github](#)

Oct'2025 – Jan'2025

- Built a full-stack healthcare platform enabling real-time vitals monitoring, secure medical records management, and seamless doctor–patient communication.
- Implemented real-time data streaming and alert systems using Socket.io for heart rate and blood pressure tracking. Designed role-based access control with secure authentication for Admin, Doctor, and Patient workflows.
- Developed secure file handling with Node.js streams and compression, integrated live chat, and used MongoDB and PostgreSQL for efficient data management.

Tech: MongoDB, Express.js, React.js, Node.js, Redux Toolkit, Socket.io, Tailwind CSS, PostgreSQL.

Public-Transportation : Route Planner with Multi Criteria Optimization : | [Github](#)

Sept' 2025 - Oct'2025

- Implemented Dijkstra's algorithm to compute the most efficient routes based on both travel time and cost across buses, trains, and metro networks.
- Designed a robust data ingestion pipeline to parse, validate, and normalize large transport datasets from CSV files, handling inconsistent formats and edge cases.
- Built an intuitive command-line interface that enables users to query optimal routes with detailed outputs including total time, fare, and required transfers.
- Optimized computation speed using efficient data structures such as priority queues and hash maps, enabling real time routing over large transportation graphs. Ensured reliability through modular code structure, extensive input validation, and performance-tuned graph.

Tech: C++, Dijkstra's Algorithm, Graph Data Structures, Priority Queues, Hash Maps, File I/O, CLI,HTML,CSS,JS.

Academic Progress Tracking System with multi-role access control :| [Github](#)

Feb' 2025 - May'2025

- Implemented secure authentication using PHP sessions and hashed passwords, with dedicated dashboards and restricted permissions for each role.
- Built a complete user management module with CRUD operations for students, teachers, parents, and admin.
- Designed a normalized MySQL database schema with structured relationships across users, classes, subjects, grades, and attendance records.
- Created interactive dashboards featuring data visualizations to monitor academic performance trends and attendance insights. Enhanced usability with a responsive UI built using HTML5, CSS3, JavaScript, jQuery, and Bootstrap.

Tech: PHP, MySQL, HTML5, CSS3, JavaScript, jQuery, Bootstrap.

CERTIFICATES

- SEBI Investment Awareness Test | [NISM](#) Sept'2025
- Computational Theory: Language Principle & Finite Automata Theory | [Infosys](#) Aug 2025
- Successfully completed the proctored exam with certificate by IIT/ IISc. | [NPTEL](#) Apr 2025

EXTRA-CURRICULAR ACTIVITIES

- Infosys - Build Generative AI Apps and Solutions with No-Code Tools | [Infosys](#) Aug 2025
- Infosys - ChatGPT-4 Prompt Engineering: ChatGPT, Generative AI & LLM | [Infosys](#) Aug 2025
- Participated in Code-A-Haunt Hackathon, showcasing skills in problem-solving | [Code-A-Haunt](#) Feb 2024

EDUCATION

Lovely Professional University

Punjab, India

Bachelor of Technology - Computer Science and Engineering; **CGPA: 6.0**

Since Aug 2023

Sri Siddartha Junior College

Andhra Pradesh, India

Intermediate; **Percentage: 78.9**

July 2020 - April 2023

Vasishta school (ICSE)

Andhra Pradesh, India

Matriculation; **CGPA: 90.60**

June 2018 - July 2020