

Sricharan Illandula

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Technical Skills

Programming Languages: Python, Java, C++

Frontend Technologies: HTML, CSS, JavaScript

Frameworks & Libraries: Bootstrap, React, Express.js

Backend Technologies: Node.js

Database: MongoDB, SQL

Version Control & Deployment: Git, GitHub

Projects

Expenses Tracker Application

- Built a financial management system using React, Node.js, Express, and MongoDB, allowing users to efficiently log and monitor their income and expenses.
- Implemented an intelligent categorization mechanism that automatically classifies transactions, simplifying budget planning and analysis.
- Enhanced data retrieval processes by optimizing database queries, ensuring seamless performance even with a large volume of financial records.

Bus Tracking System

- Designed a multi-user platform where students, parents, employees, and administrators can securely access transportation schedules and relevant travel details.
- Integrated a real-time location feature that provides live updates on bus movement, ensuring transparency and improving commute planning.
- Developed an advanced control panel for administrators to manage transport records, modify schedules, and oversee user data with complete precision.

CodeMasters - Competitive Leaderboard

- Created a ranking system using Java, JDBC, and SQL that dynamically updates based on participant performance in coding challenges.
- Optimized database indexing techniques to minimize response time, ensuring instant leaderboard updates without performance degradation.
- Formulated an analytics section that provides contestants with personalized insights, helping them track progress and identify improvement areas.

Internships

Full Stack Intern at Technical Hub, Surampalem

June 2024 – July 2024

- Expanded proficiency in HTML, CSS, and JavaScript, ensuring seamless and adaptable web interfaces.
- Restructured website architecture, leading to a 40% reduction in load times and a 25% increase in code maintainability, elevating overall performance.

Front End Intern at CodSoft

Nov 2023 – Dec 2024

- Augmented front-end proficiency, refining HTML and CSS techniques by 30% to craft intuitive and visually appealing layouts.

Achievements

- Secured an internship certificate from Technical Hub, validating strong capabilities in HTML, CSS, JavaScript, and React.
- Successfully obtained the MongoDB Developer Toolkit Certification from GeeksForGeeks, showcasing in-depth knowledge of NoSQL database operations.
- Earned recognition through CodSoft's certification program by completing multiple foundational projects focused on Frontend Technologies.
- Achieved an 85% score in Microsoft's Azure AI Fundamentals Certification, demonstrating a solid grasp of cloud computing principles.
- Strengthened Java programming proficiency through NPTEL's online coursework, reinforcing problem-solving abilities.
- Attained a 90% success rate in Pearson's Java certification, verifying extensive knowledge of Java concepts and best practices.
- Awarded an NPTEL certification in Database Management Systems (DBMS), confirming expertise in relational database structures and query optimization.
- Earned a distinguished 4-star rating in Java and Python, along with a 3-star rating in C, on HackerRank, highlighting analytical and logical reasoning skills.

Education

Aditya College of Engineering & Technology

Sep 2022 – Present

- CGPA: 8.16
- **Coursework:** Computer Science and Engineering (Artificial Intelligence and Machine Learning)

Sri Nalanda Junior College

July 2020 – May 2022

- CGPA: 9.65
- **Coursework:** MPC