

Satvika Padakanti

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Professional Summary

Ambitious, driven, and tech-focused third-year Computer Science and Business Systems student, passionate about applying learned skills in real-world scenarios. Eager to grow through internships, continuously enhance technical knowledge, and stay committed to lifelong learning. Seeking opportunities to contribute and innovate in a dynamic work environment.

Education

B V RAJU INSTITUTE OF TECHNOLOGY

Computer Science and Business Systems, CGPA- 8.60

SR Junior College

Board of Intermediate Education,MPC -94.5%

MEDAK

Sep 2022 – Present

Nizamabad

Aug 2020- May 2022

Skills

Programming Languages: C, C++ ,Python ,Java, HTML , CSS , R programming

Data Structures & Algorithms: Design, optimization, efficiency

Database Management: DBMS, RDBMS, SQL, data retrieval, manipulation

Soft Skills: Adaptable, quick learner, time management, problem-solving, effective communication, teamwork, diverse perspectives

Projects

Online Voting System | Technologies Used: C++, Data Structures and Algorithms

- Engineered a secure online voting platform featuring user authentication and efficient result tallying.
- Employed optimized algorithms to enable rapid vote processing, even during peak voting periods.
- Implemented robust data structures and strong encryption to ensure data integrity and protect against unauthorized access.

Online Movie Ticket Booking System | Technologies Used: HTML, CSS, JavaScript, SQL

- Developed a web application allowing users to browse movies, check seat availability, and book tickets.
- Designed a relational database to manage movie details, showtimes, and user bookings.
- Implemented SQL queries for efficient data retrieval and transaction management.
- Created an admin interface for managing showtimes, ticket sales, and user data.
- Applied entity-relationship modeling to structure the database effectively.

Maze Solver Using BFS/DFS Algorithms

- Created a maze-solving program utilizing Breadth-First Search (BFS) and Depth-First Search (DFS) algorithms to find a path from start to finish.
- Represented the maze as a 2D array, allowing for efficient navigation through obstacles and dead ends.
- Implemented backtracking techniques to optimize pathfinding and explore multiple routes.
- Demonstrated real-time applications in pathfinding for GPS systems, game AI, and robotic navigation.
- Emphasized key concepts such as arrays, backtracking, and search algorithms to enhance understanding of algorithmic efficiency.

Co-Curricular Activities

2nd Place in CODOPOLY: Achieved recognition in a competitive coding event at the Promethean Technical Symposium, BVRIT, demonstrating problem-solving skills and teamwork in a high-pressure environment.

Volunteer for “Orientation” Event: Assisted in organizing and facilitating the orientation for new students during the Induction Programme at BVRITN, enhancing event management and communication skills.

Volunteer for “DEMUX” Event: Supported the organization of the 24-hour Hackathon, DEMUX, at BVRITN, collaborating with teams to create a dynamic and engaging experience for participants.

Participant in 24-hour Hackathon: Engaged in a 24-hour hackathon at MGIT, working collaboratively to develop innovative solutions under tight deadlines, showcasing coding skills and creativity.

Certifications

- Google Analytics for Beginners :By Google Analytics Academy
- Basics of Data structures and Algorithms : By Siplilearn
- JAVA(BASIC) :By HackerRank
- SQL(BASIC) :By HackerRank