

VIJAY MARREDDY YERUVA

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PROFESSIONAL SUMMARY

Results-driven Computer Science Graduate with a strong foundation in full-stack development and a specialized focus on database design, CRUD operations and management. Experienced in developing and optimizing SQL databases, writing complex queries, and building efficient RESTful APIs with robust backend logic. Proven ability to design scalable data models and ensure data integrity for web applications. Eager to leverage expertise in SQL and backend development to contribute to high-impact software solutions.

EDUCATION

B.Tech - Computer Science and Engineering, Christu Jyothi Institute of Technology and Science - CGPA: 8.6/10

Intermediate - MPC, SRM Junior College

Percentage: 94.5%

Secondary School, Maria Rani High School

CGPA: 9.0/10

TECHNICAL SKILLS

Programming Languages: Java, Python, C

Databases & SQL: MySQL, SQLite, Complex Query Writing, Database Design, Schema Normalization, CRUD operations, Relational Databases.

Web Technologies: HTML5, CSS3, JavaScript

Concepts: Data Structures & Algorithms, Object-Oriented Programming (OOP).

ACADEMIC PROJECTS

Movie Ticket Booking System | MySQL, Python, HTML, CSS, JavaScript

Designed and implemented the complete relational database schema using MySQL, creating optimized tables for users, movies, showtimes, bookings, and seats with proper relationships and constraints. Developed and optimized complex SQL queries to handle critical functions including real-time seat availability checks, booking history retrieval, and user authentication. Engineered the backend logic and RESTful APIs for a secure booking system, implementing session management to handle transactions and prevent double-booking while ensuring data consistency.

Grocery Inventory Management and Billing System | Python, SQLite, Tkinter, pandas

Architected the complete data model using SQLite to manage product inventory, pricing, and sales transactions, enabling efficient stock tracking and automated billing. Designed Database for orders, users, products and transactions. Wrote Python scripts with pandas and SQL to automate real-time inventory updates, reducing manual workload by 70% and achieving 100% billing accuracy and Implemented data validation and exception handling at the database interaction level to ensure data integrity and system reliability.

SOFT SKILLS

- Complex Problem Solving & Analytical Thinking
- Agile Methodology & Team Collaboration
- Adaptability & Continuous Learning
- Attention to Detail & Code Quality
- Time Management & Task Prioritization

LANGUAGES KNOWN

- TELUGU – Native
- ENGLISH -Fluent
- Hindi – Fluent

PERSONAL PROJECTS

- Developed a Portfolio Website
- Developed a web-based cricket game

LEARNINGS & CERTIFICATIONS

- JAVA Full-Stack and SQL certification from 360 Digrii
- SQL for Data Science | Coursera | *Grade: 98%*
- AWS Solution Architect (In Progress)

INTERESTS & HOBBIES

- Participating in GDs and giving Seminars.
- Practicing Programming daily.
- Experiment with new frameworks and tools.
- Playing Cricket.