

MADHUMITHA MODALAVALASA

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Objective

Seeking a challenging role in the intersection of Software development , Machine learning and Web Development where I can leverage my skills and passion for innovative problem-solving to contribute effectively towards creating cutting-edge solutions. My aim is to continuously expand my knowledge and expertise in these fields while making meaningful contributions to projects that drive technological advancements and societal impact.

Education

Indian Institute of Information Technology Design and Manufacturing **2021 - 2025**
B.Tech in Computer Science & Engineering **6.0/10 CGPA**

Sri Aditya Junior Collage **2019 - 2021**
Board Of Intermediate Education Andhra Pradesh in MPC **85 %**

Sarvodaya Vidya Niketan School **2019**
Board Of Secondary Education Andhra Pradesh **9.3 / 10 CGPA**

Projects

Friut chase game **[Source Code](#)**

- A Game that approach towards Strike falling fruits, falling on high speed, beating your best score and defeating world score, and get some in-game coins.
- This is a simple fruit chase game implemented in C++. The player moves around a grid to collect fruits (F) while avoiding obstacles (O)
- The player's objective is to collect as many fruits as possible within a limited time period. The game ends if the player collides with an obstacle.

Automatic door Finegerprint

- Alarms where one attempts to open the door with incorrect card, PIN code or fingerprint for 5 times with the alarm lasting for 60 seconds.
- This technology is commonly used in smart door locks, allowing users to unlock doors with a simple touch of their finger.
- It also sends an alarm alert if user attempts to unlock incorrectly many times.

Activity Management System in DBMS **[Source Code](#)**

- Developed a web-based Activity Management System using a database management system (DBMS).
- Implemented features for users to create, update, and delete activities, as well as view activity details and schedules.
- Basic SQL queries are provided to interact with the database. These include querying activities, users, mapping users to activities, updating activity status, and deleting user involvement in activities.

Technical Skills

Languages: Python , C , CPP

Frontend: HTML, CSS, Bootstrap

Clouds & Databases: SQL

Developer Tools: VS Code, GitHub

Software Development:Data Structures , Object Oriented Programming

Certification/Achievements

- Nestle Certificate : Certificate of Completion on Sustainability
- Academic Excellence Award : Received for excelling academically throughout the Intermediate