

SHANMUK REDDY LOMADA

Rayachoti, Andhara Pradesh

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EDUCATION

Amrita Vishwa Vidyapeetham

computer science and enginnering - **CGPA - 7.43**

11 2022 – 11 2026(Expected)

Chennai, India

sri Chaitanya Junior College

Intermediate Education - **Percentage - 92.7%**

2020 – 2022

Vijayawada, India

vishwabharthi wisewoods international school

central board of secondary education - **CGPA - 83.4**

2019 – 2020

gudivada, India

COURSEWORK / SKILLS

- Machine Learning
- Database Management System (DBMS)
- computer networks
- Data Structures & Algorithms
- OOPS Concept
- SQL
- HTML & CSS

PROJECTS

Melanoma cancer detection using machine learning | image processing, ML algorithms 10 2024

- Developed** an Enhanced Hybrid Model (EH-EM) combining EfficientNetB3 and MobileNetV2 architectures to classify melanoma cases through medical image analysis.
- Integrated** low-level and high-level features using cross-layer feature fusion and an attention mechanism, enhancing model precision and sensitivity for detecting malignant melanoma.
- Incorporated** advanced data preprocessing techniques such as extensive augmentation (rotation, flipping, zooming, normalization) and focal loss to address class imbalance and reduce overfitting.
- Optimized** the model for real-time applications with lightweight MobileNetV2, enabling efficient melanoma screening on resource-constrained devices.
- Enhanced** model generalization for small and sparse datasets by employing data augmentation and regularization techniques like dropout.

Movie Ticket Booking System | c language

2022

- Developed** a movie ticket booking system with features for inserting, viewing, searching movie details, and booking tickets, ensuring seamless user interaction.
- Integrated** functionalities such as ticket cost calculations, real-time seat availability tracking, and receipt generation for a streamlined booking process.
- Implemented** efficient file management to store and retrieve movie records and transaction history, enhancing data reliability and accessibility.
- Achieved** robust system functionality through comprehensive testing and validation, delivering an optimized solution for movie management and ticket bookings.

doctor managment system | DBMS

12 2023

- Developed** a comprehensive Doctor Management System to streamline appointment scheduling, patient record management, and doctor availability tracking.
- Implemented** role-based access controls to ensure data security, enabling seamless interaction between patients and healthcare providers.
- Optimized** the system for scalability by integrating a modular design and efficient database queries, supporting multi-clinic operations.

TECHNICAL SKILLS

Languages: Python, Javascript, SQL, html,CSS

Developer Tools: VS Code, IntelliJ Idea, MySQL Workbench, eclipse IDE

Technologies/Frameworks:casendra, Linux(Basic proficiency),reactjs.

CERTIFICATIONS

- webdevelopment bootcamp - Udemy
- The reactjs course - Udemy 3 October 2024