

PAVARALA HRUTHIK KRISHNA

Information Technology Student

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Summary

I am an enthusiastic IT student with a strong background in Python, Java, and C++, complemented by hands-on experience in data analysis and model development. My passion lies in exploring emerging technologies, particularly AI and large language models, to address real-world challenges. I am committed to staying current with the latest tech trends and continuously improving my skills

Experience

Chitti Motors Private Limited

Vijayawada

Web Developer Intern

02/2025 - Present

Chitti Motors is an electric cycle startup focused on innovative, eco-friendly mobility solutions.

- Dynamic 3D Visualization: Enables users to input their height and view a proportionally scaled 3D human model alongside the electric cycle for accurate size assessment
- Augmented Reality Integration: Allows users to project the 3D cycle model into real-world environments using their device camera for an immersive experience
- View Project : [Live Demo](#)

Education

Velagapudi Ramakrishna Siddhartha Engineering College

Kanuru

B.Tech in Information Technology CGPA: 8.52

08/2022 - 05/2026

Narayana Junior College

Vijayawada

Intermediate M.P.C

Grade : 94%

04/2020 - 03/2022

Viswabharathi Em High School

Gudiwada

High School

Grade : 99%

04/2019 - 03/2020

Skills

Programming Languages & Databases : Python Java C++ MySQL Object-Oriented Programming Data Structures & Algorithms

Machine Learning & AI : TensorFlow, PyTorch, OpenCV, Chatbots, Supervised Learning, deep learning, Ollama models(LLM's).

Projects

Pneumonia Detection from Chest X-rays Using Feature-level Ensemble learning

08/2024 - 12/2024

Developed an ensemble model combining VGG19, EfficientNetB0, and DenseNet121 for pneumonia detection

- Developed an ensemble model combining VGG19, EfficientNetB0 and DenseNet121, weighting extracted features for an optimal combination, achieving 93% accuracy for pneumonia detection.
- Leveraged Grad-CAM to generate heatmaps, visually highlighting critical lung regions, aiding in the precise localization of affected lung regions for better diagnostics.
- Optimized performance using the Adam optimizer, fine-tuned model weights, ensuring high reliability for real-world medical applications.
- Explore the full project here: [GitHub Repository](#)

MoviesNow – Personal Movie Collection Platform

12/2024 - 01/2025

MoviesNow is a personal movie review web application that allows users to log and review the movies.

- Integrated Google Firebase user authentication and Firestore as a real-time database to efficiently store and manage movie data, enabling smooth retrieval and updates of movie details
- Optimized the developed feature-rich admin panel that allows administrators to easily add new movies, update existing entries, and manage the collection
- Integrated the OMDb API to fetch detailed movie information, including cast and ratings, while ensuring an optimized UI/UX for an engaging user experience
- View Project : [Live Demo](#)

Certification

The Joy of Computing using Python

- NPTEL

PCAP: Programming Essentials in Python - OPENEDG PYTHON INSTITUTE.

CPA: Programming Essentials in C++

- C++ INSTITUTE.

Introduction to Generative AI

- GOOGLE CLOUD.