Jayanth Pamanji

Computer Vision Engineer | 4th Mile, Mypadu Rd, Navalak Gardens, Nellore, Andhra Pradesh 524002, India | +91 8008537203 | jayapamanji2005@gmail.com | linkedin.com/in/jayanth-pamanji-21805b230/ | github.com/jayanth-pamanji/deep-learining-projects

Summary

Aspiring Computer Vision Engineer with expertise in Deep Learning, Machine Learning, and AI applications. I am intrested about solving real-world problems using TensorFlow, OpenCV, and YOLO. Proficient in designing, training, and deploying AI models for image processing, object detection, and segmentation. Strong background in data preprocessing, model optimization, and hyperparameter tuning to improve performance and efficiency.

Education

RGUKT - IIIT NUZVID(2022 - 2026)
B Tech | COMPUTER SCIENCE ENGINEERING (CSE)
CGPA 8.55

RGUKT - IIIT NUZVID(2020 - 2022)
Pre University course (PUC) | MPC
GPA 9.47

Skills

Programming: SQL · Python
Deep Learning: pytorch · Tensorflow
Computer Vision: YOLO · OpenCV
Development Tools: Flask · Figma · Amazon Web Services (AWS)
Problem-Solving: Data Structures & Algorithms (LeetCode)
Machine Learning: clustering · Regression Models · Classification

Certifications

introduction to Deep learning 2024
infosys

computer vision 2024
infosys

Python Basics for Data Science 2024
IBM

Build Basic Generative Adversarial Networks(GANs) 2025
DeepLearning.ai | ID: https://coursera.org/share/b1f30a8b3ac4d8a8eca21190d1ef120d

Projects

Virtual painter with computer vision and deep learning

- Technologies: OpenCV, MediaPipe, TensorFlow
- Implemented a gesture-based virtual painting tool, improving tracking accuracy by 30%.
- Developed an intuitive interface for real-time drawing applications.

COVID-19 Virus Segmentation using U-Net Model for Medical Imaging

- Technologies: TensorFlow, OpenCV
- Built a U-Net based model for detecting COVID-19 infections in lung scans.
- Preprocessed medical images and optimized model performance

YOLO Object Detection for Room Items

Object Detection

- Technologies: YOLO, OpenCV, Python
- Designed an object detection system to recognize bags, laptops, keys, etc. in a room dataset.
- Fine-tuned YOLOv8s for better accuracy in object identification.
- Used data augmentation techniques to improve detection performance.

Languages

- English :Fluent
- Hindi :Intermediate
- Telugu :Native

Additional information

Hobbies

- Chess
  Video editing
  Problem solving