


DIWAKAR JAYAVARAPU

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ABOUT ME

Passionate AI enthusiast and recent Computer Science graduate with a strong foundation in machine learning, deep learning, and data science. Eager to apply cutting-edge AI technologies to solve real-world problems and drive innovation. Continuously learning and exploring emerging technologies in artificial intelligence, with hands-on experience in building intelligent systems and data-driven solutions.

EDUCATION

NRI INSTITUTE OF TECHNOLOGY Pursuing btech with CGPA:82%	2022-2026
SRI CHAITANYA JUNIOR COLLEGE Board of intermediate with CGPA:77%	2020-2022
HARPER'S HIGH SCHOOL Board of andhrapradesh with CGPA98%	

PROJECTS

Computer Vision Object Detection System:

Built a real-time object detection system using YOLO architecture for autonomous vehicle applications. Achieved 92% mAP on custom dataset with optimized inference for edge deployment.

Predictive Analytics for Business Intelligence

Developed machine learning models for sales forecasting and customer churn prediction. Implemented ensemble methods achieving 88% accuracy and deployed using cloud infrastructure.

AI Workflow Agent (LangChain + OpenAI + Pinecone)

A multi-agent system that performs research, summarizes sources, and plans workflows autonomously. Features custom tools for web scraping, calendar integration, and knowledge graph generation

skills

- Programming skills : Python, JavaScript, SQL, HTML, CSS, Bash
- machine learning :Supervised & Unsupervised Learning, Regression, Classification, Clustering, Model Evaluation
- databses :MySQL, PostgreSQL, SQLite, MongoDB, Firebase
- frontend&backend : HTML5, CSS3, JavaScript, Bootstrap, React.js,Flask, Django, FastAPI, Node.js, Git, Streamlit
- ai/ml frameworks :TensorFlow, Keras, PyTorch, NumPy, Pandas

CERTIFICATIONS

- Certified generative ai cloud associative architect from Oracle
- Certified supervised & regression techniques at ml from stanford in Coursera
- Certified programming in python from meta in Coursera
- Certified open cv bootcamp from open cv university
- Certifies web development fundamentals from IBM
- Certified aws architect from aws