PAVANI PRIYAL DHARNAMONI

AI Engineer and Machine Learning Engineer

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Summary

I am a dedicated professional with a strong foundation in Artificial Intelligence and Data Science. My exceptional leadership and management skills have been honed through various internships and projects. I thrive in high-pressure environments, demonstrating creativity and effective teamwork. My technical expertise spans front-end web development, AI applications, and data visualization, showcasing my commitment to delivering impactful solutions

Key Achievements

Agentic AI Day Hackathon by GOOGLE-CLOUD

Ranked in top 1% of 9,500 participants at Google Hackathon.

Led AI Projects

Led a team of 5 in developing AI solutions, achieving a 20% project completion ahead of time.

Enhanced Web Performance

Reduced website loading time by 30% through code optimization and improved user experience.

Boosted User Engagement

Achieved 25% growth in user engagement for E-commerce site through UX enhancements.

Improved Model Accuracy

Increased AI model accuracy by 15% for detecting plagiarism in academic papers.

Hackathon Top 1%

Selected in top 1% out of 9,500 at Google Hackathon.

Education

STANLEY COLLEGE OF ENGINEERING AND TECHNOLOGY FOR WOMEN, OSMANIA UNIVERSITY

BACHELORS OF ENGINEERING

SRI CHAITANYA JUNIOR COLLEGE, TSBIE

INTERMEDIATE

JOHNSON GRAMMAR SCHOOL (ICSE), CISCE

SCHOOL

Projects

SAHAYAK TEACHER & STUDENT (multimodal educational assistant)

Sahayakis a multimodal educationalassistant

- Sahayak is an AI-powered educational assistant designed for multi-grade, low-resource schools. It integrates multiple intelligent agents to provide personalized learning, classroom management, and interactive features for teachers and students.

SPORTS ANALYSIS

AI-powered sports analytics system focused In real-time

- I designed and implemented an AI-powered sports analytics system focused on real-time tracking of players and ball movement in football matches. Leveraging advanced deep learning models such as YOLOv8x for object detection and Convolutional Neural Networks (CNNs) for court line and zone recognition, the system can accurately identify and follow multiple moving objects in live video streams.

ARTIFICIAL INTELLIGENCE PLAGIARISM DETECTOR

Artificial IntelligencePlagiarism Detector

- I developed an AI-driven plagiarism detection tool designed to identify and differentiate between human-written and AI-generated content. This system leverages Natural Language Processing (NLP) techniques, statistical measures commonly used to evaluate the randomness and predictability of text.
  Perplexity
  Burstiness

Skills

AutoCAD CSS Cybersecurity Data Structures HTML Java JavaScript Microsoft Excel Python Tableau R Language C Language YOLOv8x Convolutional Neural Networks K-Means Clustering Optical Flow Perspective Transformation Python OpenCV Roboflow Kaggle Datasets Matplotlib Seaborn Jupyter Notebook Colab LANG-GRAPH Google ADK