

Divyashree Mallarapu

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Profile

Final-year Artificial Intelligence and Machine Learning student with hands-on experience building and deploying real-world AI systems and web applications. Experienced in Git workflows, full-stack development fundamentals, and application deployment on multiple hosting platforms. Currently undergoing Enterprise Fullstack (MERN) training at Dhee Coding Lab with additional exposure to Cloud and DevOps concepts.

Education

PES Institute of Technology and Management, Shivamogga	2022 – 2026
B.E. Artificial Intelligence and Machine Learning	CGPA: 8.85

Experience

AI Engineer Intern — ResoluteAI Software Pvt Ltd (Remote)	Aug 2024 – Feb 2025
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- Developed YOLO-based object detection systems and real-time AI applications.
- Implemented OCR pipelines using PaddleOCR and EasyOCR.
- Built production-ready Streamlit AI applications and deployment workflows.

Enterprise Fullstack Development Intern (MERN) — Dhee Coding Lab (Ongoing)

- Training in HTML, CSS, Javascript, React, Node.js, Express, MongoDB and responsive UI development.
- Working in the concept based projects and developing the full stack applications.

Projects

NeuroSense — Multimodal Healthcare AI Platform

Built AI-based clinical decision support system for early prediction of Alzheimer's and Parkinson's using structured medical data and machine learning models with deployed web interface.

RAG Document Chatbot

Developed retrieval-augmented chatbot enabling contextual document question answering.

AI Image Generator

Implemented diffusion-based generative system converting text prompts into high-quality images.

Industrial Defect Detection

Developed YOLO + segmentation-based inspection system for manufacturing defect detection.

Skills

Programming: Python, HTML, CSS, JavaScript, C
Machine Learning: Computer Vision, NLP, Deep Learning, Model Deployment
Web Development: React, Node.js, Express, Flask, Streamlit, Gradio
Databases: MySQL, MongoDB
Version Control: Git, GitHub
Deployment: Streamlit Cloud, Railway, Render, Vercel
Cloud Exposure: Azure, CI/CD basics
Tools: VS Code, Jupyter Notebook, Labelling

Achievements

Co-Author — *Kickstart to Compiler Design Fundamentals* (2025)
Mentor — AI/ML Hackathon (PESITM)
Conducted workshop on GitHub workflows and deployment