

# Divyashree Mallarapu

Bengaluru — mdivya0212@gmail.com — +91 6363961217 — LinkedIn — GitHub — Portfolio

## 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

- 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, LabelImg

## Achievements

Co-Author — *Kickstart to Compiler Design Fundamentals* (2025)

Mentor — AI/ML Hackathon (PESITM)

Conducted workshop on GitHub workflows and deployment