

Harish P

AIML Engineer

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EDUCATION

Vellore Institute of Technology, Chennai M.Tech – AIML LTIMindtree Collaboration	2025 – Present
Panimalar Engineering College, Chennai B.E – EEE CGPA: 7.84	2021 – 2025
Grace Matriculation Higher Secondary School, Chennai HSC Score: 86.39%	2020 – 2021

PROJECTS

Digital Twin for Tomato Supply Chain

- Built a digital twin to monitor inventory and logistics across the supply chain
- Implemented tomato price prediction to support decisions and reduce wastage

Research Topic Trend Analysis

- Analyzed large-scale research papers using ML and NLP to identify emerging trends
- Built keyword networks and dashboards to track topic evolution over time

Autonomous Electric Vehicle

- Developed AI-based perception and decision systems using LiDAR sensor data
- Enabled obstacle detection and navigation through real-time sensor processing

Bone Fracture Detection from X-ray Images using Deep Learning

- Developed a CNN-based deep learning model to detect bone fractures from X-ray images using preprocessing, augmentation, and hyperparameter tuning to improve diagnostic accuracy.
- Deployed the model via a Flask API and containerized it using Docker to enable real-time, scalable fracture prediction.

Temple Style Classification using CNN, ResNet & Vision Transformer

- Developed a multi-class image classification system to identify Chola, Pandya, and Vijayanagara temple styles, achieving 93.7% accuracy using ResNet-50 through transfer learning

SKILLS

Programming

Python (Advanced) | Java | C++ | SQL

Core Computer Science

Data Structures & Algorithms | Object-Oriented Programming (OOPS) | DBMS | Operating Systems (Basics) | System Design (Fundamentals)

Machine Learning & AI

Supervised & Unsupervised Learning | Deep Learning

Frameworks & Libraries

Scikit-learn | TensorFlow / PyTorch | Pandas | NumPy

Backend & APIs

Flask | REST API Development | JSON Handling

Databases

MySQL | PostgreSQL | Query Optimization

DevOps & Tools

Docker | Kubernetes (Basics) | Git | Version Control

Data & Visualization

Spark (Basics) | ETL Pipelines | Power BI | Data Dashboarding

CERTIFICATIONS

Data Science Certification – [NASSCOM](#)