Harish T

ARTIFICIAL INTELLIGENCE AND MACHNE LEARING ENGINEER

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PERSONAL PROFILE

Passionate AIML engineer with experience in developing Machine learning and Deep learning solutions using PyTorch, OpenCV as frameworks in Python. Skilled in C, JAVA & python. Strong problem solving abilities and committed to continuous learning in AI.

PROJECTS

Traffic Management System   Sep 2024-Nov 2024

- Developed a robust software solution leveraging artificial intelligence **CV** to optimize traffic congestion ,which can dynamically adjust the traffic signal opening according to the traffic density of the lane. A
- priority based algorithm developed on the basis of round robin concept to select which signal lane to be opened dynamically to reduce the waiting time.

Industrial Cloth Segregation System   Jun 2024 – Aug 2024

- Developed an AI-integrated cloth segregation system utilizing an AS7265 spectral sensor for real-time material identification and suction-based automated handling.
- Engineered an efficient, sensor-driven sorting mechanism eliminating manual intervention, optimizing material recovery processes for waste management applications.

Smart Case Management System   Sept 2024 – Present

- Created a comprehensive software platform utilizing artificial intelligence to streamline case management processes, improving efficiency, accuracy, and decision-making in legal and administrative workflows. Integrated natural language processing (**NLP – Bert)** and advanced data
- analytics to automate document analysis, case categorization, and information retrieval, reducing manual effort by 40% and enhancing case resolution speed by 30%.

EDUCATION

Dr. Mahalingam College Of Engineering And Engineering, Pollachi, Coimbatore.

- *B.E- CSE(Artificial Intelligence & Machine Learning) | 2023-2027.*

ACHIEVEMENTS

- Won 1st award in ideathon published a
- research paper in NLP Won 2nd award
- in paper presentation Successfully
- completed the role of class representative & industrial visit coordinator for a whole year.

SKILLS

- **Python Programming (Expert)**
- **JAVA Programming (Intermediate)**
- **Machine Learning (Intermediate)**
- **Convolutional Neural Network (Intermediate)**
- **Natural Language Processing (Beginner)**
- **Computer Vision (Intermediate)**
- **Presentation Skills (Expert)**
- **Teamwork**
- **Data Analytics**

TOOLS

- **AWS (Intermediate)**
- **Power BI (Advanced)**
- **Tableau (Advanced)**
- **Raspberry pi (Expert)**
- **Excel (Expert)**