VISHWAKUMAR RS

✉ vishwa960033@gmail.com 📞 +91 96003 30789 📍 Poonamallee, chennai ⌹ Github 🔗 Portfolio

EDUCATION

B.Tech Artificial Intelligence and Data Science   2021 – 2025
Velammal Engineering College   7.92CGPA

Class 12   2021
Edustar International School   86%

Class 10   2019
Edustar International School   77.8%

PROJECTS

Agentic Rag Llm Model 🔗
The chatbot using langchain uses phi3 (Phi-3 Mini) is a 3.8B parameters, lightweight, state-of-the-art open model by Microsoft. Also uses functions of Langsmith for efficient Tracking all the activities in the system.

Engine Head Gasket Defect Detection System 🔗
Implemented a YOLO model in Python for the Engine Gasket Inspection project to detect defects such as burnt and missing holes, end cuts, cracks, and missing eyelets in engine gaskets.

Polygonal ROI-Based Real-Time Object Detection and Alert System 🔗
Built a video security tool using YOLO, OpenCV, and PyTorch to detect objects in a defined region, trigger alarms, and save images on detection.

INTERN EXPERIENCE

FLYNET TECHNOLOGIES, Project Intern   07/2024
- Developed a boundary detection system using computer vision techniques for enhanced security.
- Currently implementing a flood detection system utilizing real-time data analysis also Engaged in designing an animal intrusion system focused on wildlife monitoring.

TANSAM, Project Intern 🔗   2023
- Developed an engine gasket defect detection system using YOLO and Roboflow, significantly reducing manual inspection time.
- Conducted performance analysis by tracking metrics and creating Power BI dashboards for actionable insights.

SKILLS

Programming Languages — Python │ **Front end devoplment** — HTML, CSS, JavaScript, Bootstrap │
Data Science — Pandas, Numpy, Mathplotlib │ **Data Analysis** — SQL, PowerBI │ **Version Control** — Github

CERTIFICATES

- Introduction to front end development - Meta 🔗
- Supervised Machine Learning: Regression and Classification - Stanford 🔗
- Data Analytics Essentials - Cisco 🔗

LANGUAGES

- English
- Tamil
- Telugu

ADDITIONAL DETAILS

- Participated in the Duo Developers Event at the Symposium conducted by CIT
- Participated Workshops on Data Analytics and Power BI