
Merwin Ragul I

Junior Developer

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SOCIAL

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GitHub: <https://github.com/MerwinRagul>

SKILLS

Technologies

Python, Machine Learning, Object Detection, Deep Learning, Data Analytics, Data Visualization, API testing, CNN, Transfer Learning, SQL, HTML and CSS.

Tools

GitHub, Streamlit, postman, Vision API.

Soft Skills

Leadership, Team Building, Communication, Presentation, Problem Solving.

EXPERIENCE

Nimbly Innovations Pvt Ltd, Bangalore - *Software Intern*

January 2024 – August 2024

- Worked on Real time Project System and Apparatus for automatic detection of anomalies in operational audit process and planogram compliance.
- Constructed a custom object detection model for planogram compliance.
- Loads two local models with predefined keywords and integrates fallback detection using the Google Cloud Vision API.

AI Robosoft Technologies, Bangalore- *Machine learning Intern*

MAY 2023 - JUNE 2023

- Implemented a live traffic sign recognition system using a webcam feed and a pre-trained Keras model.
- Achieved real-time predictions by integrating OpenCV for frame capture and display.

EDUCATION

St. Joseph's College (Autonomous), Trichy- *Msc Data Science*

JULY 2022 - APRIL 2024

CGPA: 7.9

St. Joseph's College (Autonomous), Trichy – *Bachelor of computer application*

JUNE 2019 - MAY 2022

CGPA: 8.0

CERTIFICATIONS

- Oracle Data Science Professional – *Offered by ORACLE*
- The Data Science Course 2023: Complete Data Science Bootcamp – *Offered by UDEMY*
- Digital 101 Journey – *Offered by FutureSkills Prime*

PROJECTS

System And Apparatus For Automatic Detection Of Anomalies in Operational Audit Process And Planogram Compliance - *Nimbly innovations*

- Constructed a custom and various object detection model for planogram compliance.
- Loads two local models with predefined keywords and integrates fallback detection using the Google Cloud Vision API.
- It used for object detection based on keywords and API and detection for audit process planogram compliance

Traffic Sign Recognition using Deep Learning- *Personal*

- Build and trained model to recognize traffic signs.
- Displayed traffic sign classes and prediction probabilities with over 90% confidence on live video.
- Utilized Python libraries including NumPy, OpenCV, and Keras for model loading and inference.

Church Website For Own Parish- *Personal*

- Purpose of creating to handle lot of data in one way manner.
- Accessing everything on a single platform to simplify data and information management.

Languages Known

- English
- Tamil
- Telugu

Area Of Interest

- Data analytics
- Data Visualization
- Model building