

Currently working with ComputerVision , familiar with NLP tasks and actively seeking a career in Data Science.

Skills

Languages: Python, Matlab, SQL,C

Tools: Linux,TensorFlow,AWS,PyTorch,OpenCV,Pandas,NumPy,TensorRT.

Projects and Publications

Object Detection

[Github.com/object_detection](https://github.com/ManojKesani/object_detection)

[Publication](#)

Unsupervised Image Retrieval

[Github.com/image_retrieval](https://github.com/ManojKesani/image_retrieval)

[Publication](#)

Molecule property prediction

[Github.com/mp_nn](https://github.com/ManojKesani/mp_nn)

Harmful Meme Sentiment Analysis.

[Github.com/nn](https://github.com/ManojKesani/nn)

Coursera Cretifications

[SQL for Data science](#)

[AWS Fundamentals Specialization](#)

[Advanced MachineLearning with TensorFlowon Google Cloud Platform Specialization](#)

Experience

Data Science Intern

UST Global ,Trivandrum

Jan'20- present

Developing Computer Vision tools for analysis of customer behaviour in a shopping mall.

- Shopping cart detection using EfficientDet architecture.
- Multi Camera Multi Person Tracking and ReID using Omni-ScaleNet.
- Detecting and notifying cashier if Bottom of the Cart is filled, to reduce loss.
- Maintaining count of people in shopping malls and detecting social distancing.
- Gaining insights like male to female ratio, heat map of high and low traffic areas.

Academic Researcher

PHYSICS Department,BITS Goa

Aug'19-Dec'19

"Developing predictive tools for predicting physio-chemical and quantum mechanical properties for small molecules"

- Modeling molecules as Graph Networks, using Message Passing Neural Networks and Gibbs Sampling on the graphs to predict properties of a molecule.

Head of Photography

Department of Photography,BITS Goa

May'16-May'17

- Managed a group of 30, in Cultural,Technical & Sports fests as the Dpt Head.

Education

Birla Institute of Technology and Science, Pilani

M.Sc.(Hons.) Physics + B.E(Hons.) Electronics and Instrumentation

JUNE 2020