MANOJ KESANI www.Linkedin.com/ManojKesani

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

Education

Birla Institute of Technology and Science, Pilani
M.Sc.(Hons.) Physics + B.E Electronics and Instrumentation   *JUNE 2020*

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"   Github.com/ManojKesani/Mp_nn

- 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.

Academic Courses and Projects

Neural Networks : Harmful Meme Sentiment Analysis.   Github.com/ManojKesani/NN
Digital Signal Processing : Studyof bridge effect on Guitar with High Speed Photography
Mathematical Methods for Physics: Modeling heat dissipation in Li-ion Batteries.
Non-Linear Dynamics and Chaos Theory: Modeling stock Price as a Predator-Prey model

Skills

Languages: Python, Matlab, SQL,C

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