



Dristanta Das

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Social Network

dasdristanta13
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Languages

Python R

Systems

Docker CVAT MySQL Neo4J

Python Modules

Numpy Pandas Matplotlib
TorchAudio Pytorch Scikit-learn

Machine Learning

Regression Classification
Cross-validation Naive Bayes
Dimensionality Reduction K-Means
Decision Tree Boosting

Deep Learning

Multilayer Perceptron CNN RNN
LSTM Transfer Learning

Experience

Aug,21'– **Summer Project Intern** IITKGP
Under the guidance of professor C.S Kumar ,Mechanical Engineering

Project

Machine Learning

Feb–June,21' **2.5D Visual Sound**
Binaural audio provides a listener with 3D sound sensation, allowing a rich perceptual experience of the scene. However, binaural recordings are scarcely available and require nontrivial expertise and equipment to obtain. We propose to convert common monaural audio into binaural audio by leveraging video.

Computer Vision

Feb,21' **Hybrid Image Formation**
Hybrid images are images with two interpretation. The interpretation changes with viewing distance.

Mar,21' **Harris Corner Detection and SIFT**
The Harris Corner detector is a standard technique for locating interest points on an image.

Apr,21' **Hough Line and Circle Detector**

May,21' **Camera Calibration and Fundamental Matrix using RANSAC**
The objective of this project was to improve upon image matching by leveraging epipolar geometry of a stereo image pair while applying RANSAC to reject poorly matched feature points.

Exploratory Data Analysis

Sept–Dec,20' **Zomato Restaurants Data**
Analyzing the best restaurants of the cities all around India

Nov,20'–
Dec,20' **Player Data of FIFA21 Game**
Analyzing the best players and their performance stats.

Education

2020–Present **M.Sc. in Big Data Analytics** RKMVERI

Courses

Optimisation for Machine Learning Optimisation Algorithm
Multivariate Statistics Computer Vision
Machine Learning Linear Algebra
Probability and Stochastic Process Data Structure and Algorithm

2017–2020 **B.Sc. in Mathematics** Presidency University
CGPA: 7.05

2015–2017 **Higher Secondary** Jodhpur Park Boys' School
Marks: 84.2%

2005–2015 **Secondary** Jodhpur Park Boys' School
Marks: 85.6%