Dristanta Das

📞 +91-85839-18089

🌐 https://dasdristanta13.github.io/

@ dasdristanta13@gmail.com

Social Network ───

in dasdristanta13

⬛ dasdristanta13

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

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 Caliberation 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** CGPA: 7.05	Presidency University
2015–2017	**Higher Secondary** Marks: 84.2%	Jodhpur Park Boys' School
2005–2015	**Secondary** Marks: 85.6%	Jodhpur Park Boys' School