



# Dristanta Das

- 8583918089
- <https://dasdristanta13.github.io/>
- dasdristanta13@gmail.com

## Social Network

- 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

## 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.We implimented a deep learning model 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'
    - 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**  
Analyzed the best restaurants of the cities all around India.
- Nov,20'–Dec,20'
  - Player Data of FIFA21 Game**  
Analyzed the best players and their performance stats.

## Education

- 2020–Present **M.Sc. in Big Data Analytics** RKMVERI  
GPA: 7.67

## Courses

- Optimisation for Machine Learning**
- Multivariate Statistics**
- Machine Learning**
- Probability and Stochastic Process**
- Optimisation Algorithm**
- Computer Vision**
- Linear Algebra**
- 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%