S ARAVIND

Pursuing MSc. Big Data Analytics

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ONGOING PROJECTS

Domain Adaptation For Medical Image Analysis

Research Project under Professor C krishna Mohan, IIT hyderabad

- Measuring Dataset Similarity using Optimal Transport

COMPLETED PROJECTS

Facial Emotion Recognition Using Image Gradient Histogram as feature and CNN

Computer Vision

- Image gradients were calculated using OpenCV library for each pixel in an image.
- Histogram concatenation was done using the magnitude of the image gradients and the angle between them. This was treated as a feature for training the model. CNN was applied for improving the accuracy.

Vegetable Image Classification

Classification

- Implemented CNN with different gradient based Optimization techniques on Vegetable Image dataset.

Perception of People towards Meditative Practices in our Society

EDA

- Exploratory Data Analysis on primary data collected via google forms.

EDUCATION

MSc in Big Data Analytics

RKMVERI

Sept 2021 – Present CGPA: 5.67

B.sc Mathematics (Hons)

Institue of Mathematics and applications

August 2017 – July 2020 CGPA: 6.9

Intermediate

Kendriya Vidyalaya

April 2014 – March 2015 80.0%

SKILLS

Machine Learning | Deep learning | Probability and Statistics | Data Structures and algorithms

TOOLS

Python | Numpy | Matplotlib | Pandas | R | ggplot | Tensorflow | Pytorch | Tableau | SQL | Scikit-learn

CERIFICATIONS

- Programming, Data Structures And Algorithms Using Python (NPTEL)

COURSEWORK

- Optimization for Machine Learning
- Computational Data Science
- Machine Learning
- Deep Learning for CV
- Time Series & Survival Analysis
- Econometrics & Finance
- Probability & Statistics

INTERESTS

Reading newspapers | Sudoku | Reading Non-fiction