Partha Mete

M.Sc.in Big Data Analytics

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EDUCATION

- **M.Sc. in Big Data Analytics** *2024 - currently running*
  Ramakrishna Mission Vivekananda Educational and Research Institute, Belur Cgpa: 7.33 (till 1st Sem)

- **B.Sc. Honours in Statistics** *2020 - 2023*
  University of Calcutta Cgpa: 8.033

- **Higher Secondary** *2018 - 2020*
  Ramakrishna Mission Boys' Home High School,Rahara Percentage: 97

PERSONAL PROJECTS

- **A Comparative Study of Classification Algorithms on the GTZAN Dataset for Music Genre Classification** *November 2024*
  A comprehensive evaluation of machine learning classification algorithms, including Decision Trees, Random Forest, SVM, and XGBoost, on the GTZAN dataset to analyze their effectiveness in music genre classification based on audio features.

- **Evaluating Regression Models for Cost of Living Index Prediction** *September 2024*
  A comparative study of various regression techniques, including linear regression, polynomial regression, gradient descent methods, and regularization techniques, to predict the Cost of Living Index and analyze their performance and computational efficiency.

- **Ranking Football Players (Forwards) of Europe's Top 5 Leagues Using Principal Component Analysis** *June 2023*
  Ranking forward football players from Europe's top five leagues using Principal Component Analysis, analyzing key performance metrics like goals, assists, key passes, and pass success rate from both overall and recent seasons.

- **Unsupervised Sign Gloss Pursuing From a Continous Sign Video** *Currently Ongoing*
  Unsupervised discovery and segmentation of key activity steps in structured video collections using a multimodal generative model that fuses visual and language cues to create meaningful semantic storylines.

- **GauGen: Conditional Image Generation Using GaussianGAN** *May 2025*
  Designed and implemented GaussianGAN from scratch in TensorFlow/Keras for conditional image generation, including custom generator, encoder, discriminator, and training loop.

- **StyleAlign – Image Style Transfer** *May 2025*
  Implemented image style transfer using CycleGAN, enabling high-quality blending of content and artistic styles through latent space manipulation and fine-tuning.

TECHNICAL SKILLS

- **Languages:** Python, R, HTML,Shell, LaTeX

- **Libraries:** NumPy, Pandas, Scikit-learn,Matplotlib,Pytorch,OpenCV Seaborn,MediaPipe,Streamlit

- **Data Structure and Algorithms:** Array,Stack,Queue,Linked List,Tree,Graph,Hashing,Heap,Sorting(Mergesort,Quicksort etc.),Searching

- **Tools:** Google Colab, Jupyter Notebook, VS Code,ChatGPT

- **Data Analysis:** Statistical Analysis,Data visualization,Time Series Forecasting,Statistical Modeling,Predictive Analysis,Machine Learning. .

- **Others:** Deep Learning,Computer Vision,Distributed Computing(Hadoop),Operation Research,NLP. .