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# Dibyendu Das

## Data Analytics Student

[click here for linkedin](#)  
[click here for github](#)

Student of Data Science at Ramakrishna Mission Vivekananda Educational And Research Institute, Belurmath. During my course work I've developed a passion for Machine Learning and Deep Learning and I'm intrigued by its research prospects. I'm extremely interested in pursuing a good Internship that would consolidate future career choices.

### EXPERIENCE

**Research Intern : IIT Patna** Feb 2022  
Under The Supervision of Dr.Sriparna Saha ,Associate Professor Department of Computer Science and Engineering Indian Institute of Technology Patna, Domain: NLP

**Summer Internship : Scene Text Detection Using Modulated Gabor Filters.** July 2021 - Dec 2021

Ujjwal Bhattacharya , MSc MPhil PGDCA PhD ,ISI

- In this we used Modulated Gabor Filters For Robust Scene Text Detection . In this work We used a Modulated VGG16 for Feature Extraction .

### PROJECTS

**Finance : Modelling and Prediction of Oil production and prices using relevant news data and other covariates.** Nov 2021 - Feb 2022

Dr. Gopal Basak (Indian Statistical Institute, Kolkata)

- This project involves collection of relevant news and other data (social media), building model, training them with a given set of oil stock market data and news data and then testing with a different set of data.

**Summer Internship : Scene Text Detection Using Modulated Gabor Filters.** July 2021 - Dec 2021

Ujjwal Bhattacharya , MSc MPhil PGDCA PhD ,ISI

- In this we are using Modulated Gabor Filters For Robust Scene Text Detection . Here We use a Modulated VGG16 for Feature Extraction .I shall use a Bezier Curve For detecting the curve Text in this project.

**Time Series Analysis : Modelling daily stock returns with different GARCH models** Oct 2021

Dr. Sudipta Das ( Assistant Professor,RKMVERI,Belur)

- I modelled the log returns of four different stocks with GARCH model and then compared them on the basis of the predicted returns.

**Optimization Algorithms : A comparative study of various Optimization Algorithms on House Pricing Data** Sep 2021

Mrinmay Maharaj (PhD, Pennsylvania State University; Assistant Professor,RKMVERI,Belur.)

- In this Project I used a small mlp for predicting House Price depending on different Features. Here I used deep neural network and tried different optimization algorithms to trend the model. Then I explained the cause of success and failures of different optimization algorithms.

**NLP : Application of Barlow Twins to train an encoder for NLP classification tasks using Self Supervised Learning** Sep 2021-Present

- Train an encoder in the self-supervised environment to encode text data into a latent space for the classification tasks.

**Machine Learning course project : Bengali Digit Recognition : A Hidden Markov Model Approach** March 2021 — June 2021

Dr. Sujoy Kumar Biswas (Director and Principal scientist, AIMP Labs; Visiting scientist, ECSU, ISI Kolkata)

- The aim of this project is to implement automatic speech recognition algorithms using Hidden Markov Models and Gaussian Mixture Model .Achieved an accuracy of 78.14% .

### EDUCATION

**Master of Science, Big Data Analytics, RKMVERI; GPA :8.85 /10.00 (till now)** Present

**Master of Science, Mathematics, Visva Bharati University,Santiniketan ; GPA : 8.88/10** 2018 — 2020

**Bachelor of Science, Mathematics, Acharya Prafulla Chandra College , WBSU; Percentage : 80%** 2015 — 2018

### ANALYTICS SKILLS

Machine Learning	●●●●●	Optimization Algorithms	●●●●●	Computer Vision	●●●●●
Natural Language Processing	●●●●●	Time Series	●●●●●	Finance	●●●●●

### PROGRAMMING LANGUAGES & DATABASES

Python	●●●●●	R Studio	●●●●●
SQL	●●●●●	Neo4J	●●●●●
PySpark	●●●●●		