Dibyendu Das

Pursuing MSc In Data Science from RKMVERI || M.Sc. in Mathematics from Visva Bharati

Aspiring Data Scientist, keen to solve challenging real world problems in a collaborative atmosphere.

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EDUCATION

M.Sc. in Big Data Analytics

Ramakrishna Mission Vivekananda Educational & Research Institute , Belur ,Howrah, West Bengal

09/2020 - Present *GPA - 8.67*

Courses

- Data Structures and Algorithms
- Multivariate Statistic
- Optimization for Machine Learning
- AI
- Econometrics and Finance
- Probability and Stochastic Processes
- Machine Learning
- Computer Vision
- Time Series
- Data Mining

M.Sc. in Mathematics

Visva Bharati , Central university in Santiniketan, West Bengal

07/2018 - 05/2020 *CGPA - 8.88*

Courses

- Analysis
- Functional Analysis
- Graph Theory
- Automata Theory
- Algebra
- Topology
- Logic Theory
- Operation Research

B.Sc. in Mathematics

Acharya Prafulla Chandra College , New Barrakpur, Kolkata, West Bengal 700131

07/2015 - 05/2018 *80%*

Courses

- Classical Algebra
- Differential Equation
- Numerical Analysis & Computer Programming
- Vector Analysis
- Linear Programming and Game Theory

EXPERIENCE

Summer Project Intern

Indian Statistical Institute , Kolkata

06/2021 - Present

Task

- Scene Text Detection Using Modulated Gabor Filters

SKILLS

Python | R | SQL | PYSPARK | NEO4J | LATEX | Scikit-learn | NLTK | OpenCV | Spark | Pytorch | Hmmlearn

PROJECTS

A Study on Probabilistic Machine (01/2020 - 05/2020)

- Under the supervision of Professor Swapan Raha, Department of Mathematics, Visva-Bharati
- The aim of this project is to study the relationship between Finite state automata and Probabilistic Automata.
- Institute : Visva-Bharati, Santiniketan, I N D I A

Bengali Digit Recognition: A Hidden Markov Model Approach (03/2021 - 06/2021)

- Under the supervision of Sujoy Kumar Biswas, Researcher, University of California, Santa Cruz
- 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%
- Institute: Ramakrishna Mission Vivekananda Educational and Research Institute, Belur Math

Application of Barlow Twins to train an encoder for NLP classification tasks using Self Supervised Learning (08/2021 - Present)

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

Modelling and Prediction of Oil production and prices using relevant news data and other covariates. (09/2021 - Present)

- Under the supervision Of Dr. Gopal Basak , Indian Statistical Instiute

Modelling and Prediction of Stock Market Data with ARMA-GARCH Model (08/2021 - 09/2021)

- Under the supervision of Dr. Sudipta Das. Ph.D. (Indian Institute of Science, Bengaluru)
- We Use NIFTY 50, NIFTY NEXT 50, NIFTY MIDCAP, NIFTY SMALL CAP for this project and use arma-garch model for modeling the data.

LANGUAGES

Bengali
Native or Bilingual Proficiency

Hindi
Full Professional Proficiency

English
Full Professional Proficiency

INTERESTS

Machine Learning | Deep Learning | NLP | Optimization Algorithm | Analysis | Computer Vision | Finance | Time Series