

# 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
- Advanced Statistics
- Probability and Stochastic Processes
- Machine Learning
- Computer Vision

### 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 and Recognition

## 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) (08/2021 - Present)

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

### EDA on Covid-19 Dataset (11/2020 - 12/2020)

- Under the supervision Of Dr. Sudeep Mallick, RKMVERI

## ACHIEVEMENT

Secured second rank at West Bengal State University with 80% marks in B.Sc. Mathematics.

## 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