

# BIDIT SADHUKHAN

## Pursuing MSc. Big Data Analytics

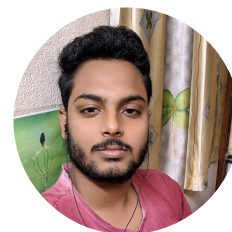
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## COMPLETED PROJECTS

MNIST HAND WRITTEN DIGIT CLASSIFICATION USING K-NEAREST NEIGHBOUR FROM SCRATCH, under the supervision of Dr Soumitra Samanta, RKMVERI

### Machine Learning

August 2023 - June 2023

BUILD MY PERSONAL WEBSITE USING R and Hugo.

[Link](#)

### Data Science Portfolio

July-2023

- Used R studio blog down package to build my personal website using Hugo and deployed it in Netlify.
- On this website I have shared my posts regarding projects and technologies I have used. Also, there is a personal section which shows my current goals and my thoughts.

RIVER AND NON-RIVER AREA DETECTION USING NAIVE BAYES AND K-MEANS ALGORITHM SEPARATELY FROM SCRATCH, under the supervision of Dr Soumitra Samanta, RKMVERI.

### Machine Learning

May 2023

- Collected the data from <https://www.isical.ac.in/~murthy/> as 4 .gif files
- Used Naive Bayes algorithm and K-Means to detect the areas correctly

APPLICATIONS OF PRINCIPAL COMPONENT ANALYSIS, under the guidance of Prof. Durba Bhattacharya, St. Xavier's College Kolkata.

### Statistics

December 2020 - June 2021

- Doing this work as a dissertation for the final year of honors, PCA: Dimensionality reduction technique for data visualization, feature selection, noise reduction, compression, outlier detection, and data preprocessing.

QUANTIFYING MYSELF, under the supervision of Dr Sudipta Das, RKMVERI.

### Exploratory Data Analysis, Statistics

October 2022 - January 2023

- Collected data about different habits, health and study of mine from September to January 2021
- I did this project as a hobby to know myself but obtained valuable insights about my habits and productivity.
- Used R for data visualisation and data analysis.

## EDUCATION

M.Sc. in Big Data Analytics

RKMVERI

Sept 2022 - July 2024

B.Sc. in Statistics Hons.

St. Xavier's College, Kolkata

Jul 2018 - July 2021 67.5%

Higher Secondary

Chandannagar Sri Aurobindo Vidya Mandir

March 2016 - Jun 2018 92.00%

Madhyamik

Chandannagar Sri Aurobindo Vidya Mandir

March 2006 - Jun 2016 95.0%

## TOOLS

Python

R

MySQL

OrientDB

Hadoop

Excel

Minitab

LaTeX

Git

## COURSEWORK

- Probability and Stochastic Process
- Machine Learning
- Time Series & Survival Analysis
- Big Data Handling Technologies
- Computer Vision
- Programming for Data Science
- Statistical Inference
- Descriptive Statistics
- Optimisation For Machine Learning

## RESPONSIBILITY


- TREASURER**- Perceptron, 2022-2024 Inaugural Technical fest of RKMVERI, West Bengal.
- ORGANISING COMMITTEE MEMBER** at Epsilon Delta - Annual fest of Statistics Dept., SXC Kolkata
- MEMBER OF THE NATIONAL SOCIAL SERVICE SCHEME**, India, 2018-2021

## ACHIEVEMENTS

- Qualified JEE-Advanced 2018

## COMPLETED PROJECTS


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A Case Study on ANALYSIS OF CHURNING CUSTOMERS OF A TELECOM COMPANY (EDA) under the supervision of Dr Sudeep Mallick, RKMVERI. 

### Exploratory Data Analysis

 October 2022 - January 2023

- Used R for data analysis and visualisation.

Object Tracking using Open-CV, under the supervision of Prof. Bhabatosh Chanda, Indian Statistical Institute, Electronics and Communication Sciences Unit. 

### Computer Vision

 March 2023 - June 2023

- Used Python-OpenCV package for the work.

- **Best Content writer** in English Literary Society, 2018,
- **Inspire Scholarship** in 2018
- **Sudeshna Pal Memorial Award of SAVM** 2015
- **Best presenter award** Science Exhibition in 2015.
- **Best project work** Science exhibition in 2014 and 2016.
- **Second prize in NABARD Quiz** competition. 2015