

BIDIT SADHUKHAN

Pursuing MSc. Big Data Analytics

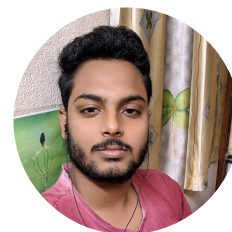
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ONGOING PROJECTS

Automatic Speech Recognition In SANSKRIT, under the supervision of Swami Punyeshwarananda Maharaj, RKMVERI [🔗](#) [Demo](#) [🔗](#)

Deep Learning, Huggingface, Python

[📅](#) August 2023 - Dec 2023

- Fine-tuned the Open AI's Whisper small model using the Huggingface transformer on 78 hours of Sanskrit speech corpus.
- Achieved a best Word Error Rate of 26 on the validation set and 17 on the test set

COMPLETED PROJECTS

BUILD MY PERSONAL WEBSITE USING R and Hugo.

[Link](#) [🔗](#) [🔗](#)

Data Science Portfolio, R, Netlify

[📅](#) 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 showing my current goals and thoughts.

QUANTIFYING MYSELF, under the supervision of Dr Sudipta Das, RKMVERI. [🔗](#)

Exploratory Data Analysis, Statistics, R

[📅](#) 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.

Empowering Health and Safety in Mining [🔗](#)

Machine Learning, Case Study Competition, Python

[📅](#) June 2023

- Participated in the Trilytics Case Study Competition with 2 other members, did the EDA and the PPT presentation
- Fitted a Random Forest Model and got an accuracy of 95% in classifying the type of accident in mining.

Applications of Principal Component Analysis, under the guidance of Prof. Durba Bhattacharya, St. Xavier's College Kolkata. [🔗](#)

Statistics, R

[📅](#) December 2020 - June 2021

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

EDUCATION

M.Sc. in Big Data Analytics

RKMVERI

[📅](#) Sept 2022 - July 2024

B.Sc.(Hons.) in Statistics

St. Xavier's College, Kolkata

[📅](#) Jul 2018 - July 2021

TOOLS

Python

R

Huggingface

OrientDB

Hadoop

Excel

Minitab

LaTeX

Git

OTHER PROJECTS

Telecom customer, Churn Data, EDA

INTERESTS

- Reinforcement Learning, ML, DL
- Statistics
- Automatic Speech Recognition
- Personality Development
- Content Writing

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

- **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.