# Mahendra Nandi
## Aspiring Data Analyst

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github.com/mahendranandi

Masters student, actively looking for works in the field of Optimization, NLP, Machine Learning and Deep Learning and aiming to leverage technical, analytical problem solving skills and experience in a challenging real world problem collaboratively.

## EDUCATION

**M.Sc in Big Data Analytics**
Ramakrishna Mission Vivekananda Educational and Research Institute ⌷
*08/2020 - Present*                    *SGPA 8.5/10*

Courses
- Optimization Algorithms
- Machine Learning
- Inferential Statistics
- Survival Analysis
- Computer Vision
- Multivariate Statistics
- Time Series Analysis
- Artificial Intelligence

**Study Program**
Institution/Place of Education

**B.Sc in Physics**
Krishnath College, University of Kalyani ⌷
*08/2016 - 08/2019*                    *74.38 %*

**Higher Secondary (10+2) in Pure Science**
Sargachi Ramakrishna Mission High School ⌷
*08/2014 - 08/2016*                    *91.20 %*

**Secondary (10)**
Sargachi Ramakrishna Mission High School
*08/2009 - 08/2020*                    *91.43 %*

## WORK EXPERIENCE

**Data Science Intern**
Dr. Reddy's Laboratories ⌷
*02/2022 - Present*                    *Banjara Hills, Hyderabad*

**SUMMER PROJECT INTERN**
Indian Association for the Cultivation of Science
*09/2021 - 01/2022*                    *Jadavpur, WB, India*

Tasks
- Leveraging the Citation Graph for Scientific Information Extraction using Sci-BERT
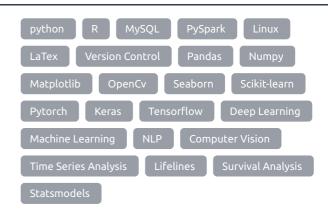
*Contact :* Dr. Debarshi Kumar Sanyal -
http://iacs.res.in/faculty-profile.html?id=155

## ACHIVEMENTS

DST INSPIRE scholarship (2016 - 2019) ⌷
*For top 1% Scorer in HS from WBCHSE*

## SKILLS

python · R · MySQL · PySpark · Linux · LaTex · Version Control · Pandas · Numpy · Matplotlib · OpenCv · Seaborn · Scikit-learn · Pytorch · Keras · Tensorflow · Deep Learning · Machine Learning · NLP · Computer Vision · Time Series Analysis · Lifelines · Survival Analysis · Statsmodels

## PERSONAL PROJECTS

Time Series Analysis: Stock Price Prediction
(10/2021 - 11/2021) ⌷
- Visualizations and analysis of stock price using ARIMA for modelling conditional mean and GARCH for modelling conditional variance of the process

Automatic Image Captioning using Deep Learning
(04/2021 - 06/2021) ⌷
- Used ResNet50 model for feature extraction of images through transfer learning and LSTM model for text generation from it

Computer vision projects (03/2021 - 06/2021) ⌷
- [(1) Image Filtering and Hybrid Images (2)Detecting Lines and Circles in image using Hough transformation (3) Feature points detection and Key points matching between two stereo images using Harrris Corner Detection and SIFT algorithm (4) Camera Calibration and Fundamental Matrix Estimation with RANSAC algorithm etc]

Exploratory Data Analysis and Linear Discriminant Analysis
(11/2020 - 02/2021)
- EDA and Visualization on Goodreads-books dataset ⌷
- EDA and Visualization on Red Wine Quality dataset ⌷
- LDA on Iris dataset ⌷

Lucid way to understand and compare Optimization Techniques with Visualisation and Simulation
(06/2021 - 08/2021) ⌷
- Armijo rule, Newton's method, Secant method, Golden Section and Fibonacci search
- SGD, Mini Batch Stochastic gradient descent, Momentum Based GD, Adam etc

## LANGUAGES

Bengali
*Native or Bilingual Proficiency*

English
*Full Professional Proficiency*

Hindi
*Professional Working Proficiency*