



Mahendra Nandi

Aspiring Data Analyst

mahendranandi.rkma@gmail.com

9635097914

Kolkata, India

linkedin.com/in/mahendra-nandi-7038b8176

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 for Machine Learning
- Computer Vision
- Natural Language processing
- Inferential Statistics
- Optimization Algorithms
- Machine Learning
- Multivariate Statistics
- Time Series Analysis

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

SUMMER PROJECT INTERN

Indian Association for the Cultivation of Science

10/2021 - Present

Jadavpur, WB, India

Tasks

- Working on (Citation Graph and Scientific Information Extraction using Sci-BERT based on the research paper) Citation-IE : Leveraging the Citation Graph for Scientific Information Extraction

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

Scikit-learn

Pytorch

Keras

Tensorflow

Deep Learning

Machine Learning

NLP

Computer Vision

Time Series Analysis

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 Harris 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