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 Research Institute ⬀

08/2020 - Present   SGPA 8.0/10

Courses
- Optimization for Machine Learning
- Optimization Algorithms
- Computer Vision
- Machine Learning
- Natural Language processing
- Multivariate Statistics
- Inferential 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 using 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

INSPIRE scholership (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 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