Mahendra Nandi

Aspiring Data Analyst

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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
- Data Structure & Algorithm
- Machine Learning
- Inferential Statistics
- Optimization Algorithms
- Computer Vision
- Multivariate Statistics
- Time Series Analysis
- Survival 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

Data Science Intern
Dr. Reddy's Laboratories 🔗

02/2022   *Banjara Hills, Hyderabad, India*

Tasks
- Predicting the MSP (market share percentage) of a particular molecule by analyzing the market scenario.
- Extraction of key information from Documents to leverage the identify government opportunity.

SUMMER INTERNSHIP
Indian Association for the Cultivation of Science

08/2021 - 02/2022   *Jadavpur, WB, India*

Tasks
- Leveraging the Citation Graph for document level 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 10+2 from WBCHSE

SKILLS

python | R | MySQL | PySpark | Linux | LaTex | Version Control | NLP | CV libraries | Deep Learning libraries | Machine Learning libraries | Time Series | Survival Analysis

PERSONAL PROJECTS

Survival Analysis on Employee attrition (12/2021 - 01/2022) 🔗
- Analysis of the key factors of employees to provide an estimate of survival time using the Kepler-Meier estimator and the Cox proportional-hazards model

Time Series Analysis: Stock Price Prediction (09/2021 - 11/2021) 🔗
- Visualizations, analysis and forecast of the stock price using ARIMA for modeling conditional mean and GARCH for modeling conditional variance of the process

Automatic Captioning of an image using Deep Learning (03/2021 - 06/2021) 🔗
- Taking the feature vector of image from ResNet50 model using transfer learning and then generating the caption out of it using LSTM model.

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

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 🔗
- Linear discriminant analysis (LDA) on Iris dataset 🔗

LANGUAGES

Bengali
Native or Bilingual Proficiency

English
Full Professional Proficiency

Hindi
Professional Working Proficiency