Mahendra Nandi

Aspiring Data Analyst

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.

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📍 Kolkata, India

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Q quora.com/profile/MAhendrra-NAndi

○ github.com/mahendranandi

EDUCATION

M.Sc in Big Data Analytics
Ramakrishna Mission Vivekananda Educational Research Institute ⤷

08/2020 - Present   CGPA 7.33/10

Courses

- Optimization for Machine Learning
- Computer Vision
- Natural Language processing
- Multivariate Statistics
- Optimization Algorithms
- Machine Learning
- Linear Algebra
- Inferential Statistics

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 - 08/2014   91.43%

PROJECTS

CitationIE: Leveraging the Citation Graph for Scientific Information Extraction (08/2021 - Present)
- Augmenting the text representations by leveraging a complementary source of document context, i.e, the citation graph of referential links between citing and cited papers because the content of an individual paper and structure and content of the citation graph can each lead to significant gains in different scientific information extraction tasks.

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 Optimization Techniques with Visualisation and Simulation (06/2021 - 08/2021)
- Armijo rule, Newton's method, Secant method, Golden Section and Fibonacci search
- GD, SGD, Mini Batch Stochastic gradient descent, Momentum Based GD, Nesterov Accelerated GD

SKILLS

python · R · MySQL · Neo4j · PySpark · Hadoop (map reduce) · Docker · Cvat · Linux · LaTex · Pandas · Numpy · Matplotlib · Seaborn · OpenCv · Scikit-learn · Pytorch · Keras · Tensorflow · Transformer · BERT · Machine Learning · Deep Learning · NLP · Computer Vision

SUMMER PROJECT INTERN

Indian Association for the Cultivation of Science, Jadavpur, WB, Inida (08/2021 - Present)

Working on (Citation Graph and BERT) : Leveraging the Citation Graph for Scientific Information Extraction (Under the supervision of Dr. Debarshi Kumar Sanyal)

ACHIVEMENTS

Got INSPIRE scholership (2016 - 2019) ⤷
For top 1% Scorer in HS from WBCHSE

CERTIFICATES

Certificate Name

LANGUAGES

Bengali
Native or Bilingual Proficiency

English
Full Professional Proficiency

Hindi
Professional Working Proficiency

INTERESTS

ML · DL · NLP · Optimization