

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.

✉ mahendranandi.rkma@gmail.com

📍 Kolkata, India

📄 quora.com/profile/MAhendrra-NAndi

📞 9635097914

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

🐙 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 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 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

Cvat

PySpark

Docker

Linux

LaTeX

Version Control

Pandas

Numpy

Matplotlib

OpenCv

Seaborn

Scikit-learn

Pytorch

Keras

Tensorflow

BERT

Transformer

Machine Learning

NLP

Deep Learning

Computer Vision

SUMMER PROJECT INTERN

Indian Association for the Cultivation of Science, Jadavpur, WB, India
(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 scholarship (2016 - 2019) [🔗](#)

For top 1% Scorer in HS from WBCHSE

LANGUAGES

Bengali

Native or Bilingual Proficiency

English

Full Professional Proficiency

Hindi

Professional Working Proficiency

INTERESTS

ML

DL

NLP

Optimization