

Alimpan Barik

Professional Title

Data Science Enthusiast || Belonging to a Maths background || Fast learner, with a competitive mindset willing to work in a challenging environment.



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EDUCATION

M.Sc in Big Data Analytics (Data Science)

Ramakrishna Mission Vivekananda Educational Research Institute

09/2020 - Present

9.67 /10 (1st Semester)

B.Sc Mathematics (H)

Jadavpur University

07/2017 - 08/2020

9.2/10

Class XII th

Jhargram Kumud Kumari Institution (WBCHSE)

06/2015 - 06/2017

94.4% (Top 20 in state)

Class Xth

Jhargram Kumud Kumari Institution (WBBSE)

02/2014 - 05/2015

96.5% (9th position in state)

PROJECTS

Brain Tumor Segmentation from 3D MRI images (On BRATS18 Dataset) using UNet (04/2021 - 06/2021)

- Semantic segmentation of brain tumors from healthy tissue surrounding the tumor using Deep Learning or specifically UNet

Classification between hemophilia carriers and non-carriers using LDA in R based on AHFantigen and AHFactivity (05/2021 - 05/2021)

Exploratory Data Analysis of air pollutants in major Indian cities measured over the period of 2015-2019 using R (12/2020 - 12/2020)

Visualization and EDA of suicide rates across different continents and different factors affecting suicide rates. (11/2020 - 01/2021)

Hybrid Images using image filtering (03/2021)

- **Hybrid images** are static images that change in interpretation as a function of the viewing distance and it is obtained by blending high frequency component of one image with low frequency component of the other

Estimating the camera projection matrix and the fundamental matrix using RANSAC (05/2021)

WORK EXPERIENCE

Summer Intern

National Council of Applied Economic Research (NCAER)

08/2021 - Present

New Delhi, India

Project:

- Study of change in out-of-pocket healthcare expenditure due to changes in reference period for inpatient and outpatient services among households in the Delhi NCR region

SKILLS

Python

R

C

Matplotlib

NumPy

Pandas

PyTorch

Keras

Regression

Classification

Clustering

Multilayer Perceptron

KNN

SVM

CNN,RNN,Transfer Learning

Computer Vision

OpenCV

Neo4j

MySQL

ACHIEVEMENTS

Madhava Mathematics Competition (06/2019)

Qualified Madhava Mathematics Competition in 2nd year of Graduation and attended the Madhava Nurture Camp organized in St. Xavier's College, Ahmedabad .

DST Inspire Scholar (2017 - 2020)

Top 1% student in state board achieve this grant from Department of Science and Technology ,Govt. of India.

LANGUAGES

English

Full Professional Proficiency

Bengali

Native or Bilingual Proficiency

Hindi

Professional Working Proficiency

INTERESTS

Analytics

Cricket

Badminton

Music

Novels

Photography

Technology