# 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

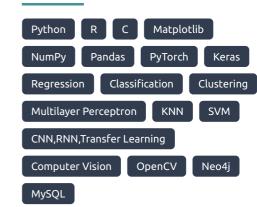
region

 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

Technol

New Delhi,India

## **SKILLS**



# **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 .

# **LANGUAGES**

#### English

Full Professional Proficiency

#### Bengali

Native or Bilingual Proficiency

#### Hindi

Professional Working Proficiency

# **INTERESTS**

