

Rashmi Ranjan Bhuyan
Curriculum Vitae

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EDUCATION	University of Southern California <i>PhD, Business Administration</i> Data Science and Operations 2020-Present	GPA 4.0
	Indian Statistical Institute, Kolkata <i>Master of Statistics</i> Theoretical Statistics Specialization 2018-2020	85.40 %
	Indian Statistical Institute, Kolkata <i>Bachelor of Statistics (Honours)</i> Passed in First Division with Distinction 2015-2018	80.16 %
ACADEMIC PROJECTS	HDI vs The Performance of Governement Project under Dr. Bimal Kumar Roy Indian Statistical Institute, Kolkata	2018
	<ul style="list-style-type: none">• Collecting data from various sources and combining them statistically.• Using data imputation techniques for missing data.• Used changepoint detection algorithms in time series data	
	Modelling dietary component of NHANES dataset Project under Dr. Vadim Zipunnikov Dept. of Biostatistics, Johns Hopkins University	2018
	<ul style="list-style-type: none">• Analyzed the effects of diet on sleep patterns of individuals.• Used quantile regression to find the trends of diet over age groups.• Creating an R shiny app to visualize the whole NHANES data.	
	Trends in Bitcoins Exchange Worldwide Project under Dr. Diganta Mukherjee Indian Statistical Institute, Kolkata	2017
	<ul style="list-style-type: none">• Finding required data from the Internet and cleansing it.• Doing the time series analysis of the data to finding the trends.• Used market microstructure models on the exchange data.	
PAPERS PRESENTED	Implications of a Bitcoin Monopoly <i>Statistical Methods in Finance, Dec 16 - 19, 2017</i> The conference was organised jointly by Chennai Mathematical Institute and Indian Statistical Institute	2017

Work Experience **SymphonyAI** **2019**
Data Science Intern
Worked on dataset of a million cancer patients

- Used topological data analysis (TDA) to cluster patients.
- Built a model to predict ECOG of cancer patients.
- Finally created a model to predict stage of the patients using their vitals.

Impact Analytics **2017**
Data Science Intern
Worked on creating a recommender system and a churn prediction model for a pet-supplies retail chain (an Impact Analytics client)

- Gained extensive experience in R, SQL.
- Got introduced to Google Cloud Platform (mainly Google BigQuery).
- Exposure to basic business sense and business rules.

TECHNICAL SKILLS **Working Knowledge :** R, Python, SQL, Excel, L^AT_EX
Introductory Knowledge : C, SageMath, Git , MATLAB

ACADEMIC ACHIEVEMENT **Innovation in Science Pursuit for Inspired Research (INSPIRE)**
Awarded the prestigious INSPIRE scholarship by the Ministry of Science and Technology, Govt. of India.

Data Detect Challenge
Received 1st prize in Data Detect challenge organised by IEEE Hyderabad in 2016.

Indian National Mathematics Olympiad
Participated in the Indian National Mathematics Olympiad after qualifying the Regional Mathematics Olympiad.

National Talent Search Examination (NTSE)
One of the 1040 students to be awarded the NTSE scholarship by NCERT (organisation of the Government of India) in class 10th.