Arijit Maji
Curriculum Vitae

Contact Information	Address : Amdiha, Near Mukbadhir School, P.O. -Dulmi Nadiha, Purulia, West Bengal, India PIN- 723102.	Mobile: +91-9073139585 E-mail: arijitmaji5@gmail.com

Personal Information	Date of Birth: Place of Birth: Citizen: Father's Name: Mother's Name:	5th April,1993 Purulia, West Bengal, India Indian Mihir Kumar Majee Aparna Maji

Objective: To establish myself as an excellent researcher in Statistics and Machine Learning fields.

Education

I. Master Of Technology In Quality, Reliability and Operations Research (QROR), Indian Statistical Institute, Kolkata. --- (June 2015- July 2017).

1. Total Percentage Score: 71.50 % (First Division)
2. Major Subjects: Probability, Statistical Method and Inference, Operations Research, Advance Stochastic Process and Time series, Game Theory.

II. Bachelor of Technology In Power Engineering, National Power Training Institute(ER), Durgapur, ----- August 2010- July 2010.

1. Total CGPA : 8.01 (Equivalent to 80.10% with First Division)
2. Major Subjects: Mathematics, Operations Research, Thermal Science, Economics, Fluid Dynamics, Vibration and machine design.

III. West Bengal Council of Higher Secondary Education(Class XII) ,Purulia Zilla School, ---- May 2006- June 2008.

1.Total Percentage Score(*Best of five including one language*): 85.4%(First Division)

2. Major Subjects: Mathematics, Statistics, Physics, Chemistry, English.

IV. West Bengal Board of Secondary Education(Class X), Purulia Zilla School,-- May 2009- June 2010.

1. Total Percentage Score: 93.20%(First Division)

2. Major Subjects: Mathematics, Physical Science, Biology, Geography, History.

Academic Projects and Dissertation:

- **M.Tech Thesis:** *Decision Trees - Past, Present and Future .*

- Abstract (Tentative): Decision tree is one of the machine learning algorithm which is widely used for its prediction power and interpretation power .This thesis proposes the journey and extension to the cost-pruning phase of the standard decision tree algorithm, which allows more prunes. We will study theoretical and practical properties of this extended algorithm. In theory, we have described a class of distributions, for which we have proven that the optimal tree is always found by the algorithm.

- Guide: Prof. Subrata Rath (Head of SQC& OR Unit,, Indian Statistical Institute, Pune).

- Link:https://drive.google.com/file/d/1xgYdO1LSBlZGxC6KBy2EM7 V_zjjeLQFb/view?usp=sharing

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- **Title:** *Sentiment analysis of E-commerce text data.*

- Abstract: Build machine learning algorithm to understand the sentiment in customer's review from e-commerce data and perform a comparative study of SVM, Naive Bayes and Neural Network to understand the fitment on higher dimensional data.

- Guide: Prof. Subrata Rath(Indian Statistical Institute, Pune)

Publication:

- **Title(Tentative):** *Missing Value Treatment- an improved version of weighted clustering using Softmax function.*

- Abstract: Missing value is a common problem in any data centric research fields. In this paper presents a study of missing value treatment using unsupervised machine learning algorithm i.e K-Mean Cluster algorithm. To reduce the uncertainty and increase the precision level we extend this procedure to weighted cluster softmax technique (WCST).

Professional Experience:

Project 1: *Identifying changes need in Insurance based products.*(AXA business Services- 2017)

Description :Insurance products which are not adding positive value in business defined as non-profitable product. To upgrade/ migrate business is offering four types of product based on customer's need. To identify the behaviour of customer's and offer acceptance, built machine learning Stack algorithm where Logistic Regression, Bag of Decision trees and Random Forest used as a Base Learner and Gradient classification Technique used as Meta Learner and built model that optimize channel (online/offline).

Project 2: *Insurance Policy Clause code Search Engine.* (AXA- 2017)

Description: Extract policy Clause Code according to the based on contract type and description of policy quotation using Dynamic Statistical Linguistic Algorithm Levenshtein Distance(Edit Distance).

Project 3: *Automatic email workflow in Microsoft Outlook .*(AXA -2018)

Description: Three types of emails(German, Latin, French) come in a common inbox in outlook. First stage identify the language and move the emails to corresponding folder. Second stage, assigned the emails to appropriate resources (employee) based on type of information using automatic text categorization technique(LDA).

Project 4: *CASA(Current and Saving Account) churn model .*(Axis Bank Pvt Ltd, 2019)

Description: Identify those customer who are not active to the business and segment them those customer according to their previous transaction information with different bucket(creating score card) and retain them with offering cross product with some benefit.

Skills:
- Statistical Language: Python, R, SAS, Minitab, SPSS.

- Programming Language: Python, C.

Achievements
- MERIT SCHOLARSHIP: Secured 9th position in district level from Primary Board Of Education Of West Bengal.

- Awarded prize money in the form of books for good performance in M.Tech program at ISI, Kolkata.

- Got chance among the top 16 students from all over India, admitted for the M.Tech(QROR) course at the Indian Statistical Institute, Kolkata.