ABHISHEK NARAYAN CHAUDHURY **19I190005**
Industrial Engineering & Operations Research **M.Sc.**
Indian Institute of Technology Bombay **Gender: Male**
DOB: 21-09-1996

Examination	University	Institute	Year	CPI / %
Post Graduation	IIT Bombay	IIT Bombay	2022	8.86
Graduation	Calcutta University	Ramakrishna Mission Residential College	2018	66.17%
Graduation Specialization: Mathematics				

SCHOLASTIC ACHIEVEMENTS

- Secured 33 rank in IIT Entrance exam among 12000+ for MSc
- Completed BSc in Mathematics with a first class honours degree from Calcutta University.
- Awarded INSPIRE Scholarship for securing among the top 1 % in Boards
- Selected in the ISI QMS programme for securing top rank in the ISI entrance exam
- Student member of the Institute of Actuaries of India.

POSITIONS OF RESPONSIBILITY

Internship Coordinator *Placement Office, Sep 2019 - Jun 2020*

- Managed the internship process during 2019-20 with a group of 35 students for 1500+ students across different departments and courses.
- Assisted Institute Placement Team 2019-20 in conducting tests for 15+ firms and handling student.

Teaching Assistant *IEOR Department Jul 2021 - Dec 2021*

- Responsible for evaluation of assignments & answer scripts, organizing crib sessions to address issues of 50+ students for the IE 507 Modelling Lab.

SKILLS

- **Programming Languages:** Python (Tensorflow, Pytorch),Flask, SQL,R ,HTML, CSS, ReAct
- **Mathematical Software:** Matlab, AMPL (Gurobi), AnyLogic.
- **Academic:** Statistics (Advanced) , Machine Learning, Applied Probability , Time Series Forecasting Deep Learning, Optimization, Integer Programming, Simulation Bandit Algorithms, Digital Image Processing.

MASTERS' PROJECT

High Dimensional Time Series Forecasting *Guide: N.Hemachandra, Aug 2020 - Dec 2020*

- Studied the main issues are faced during modeling high dimensional time series forecasting models, like the correlation between different features, upper bounds of different statistical quantities.
- Performed comparative analysis of different forecasting models for high dimensional time series forecasting and found DeepGLO methods perform better than DeepAR and LSTM methods in the un-normalized setting

Fake News and Branching Process *Guide: V.Kavitha, Jan 2021 - May 2021*

- Considered an Online Social Network with controlled warning mechanism to deal fake news, without affecting authentic news and studied the effect of reluctant users that refuses to participate in the warning synthesis.
- Observed with Monte-Carlo simulations that with 20% of reluctance factor, there is 10% rise in the extinction and 0.06 increase in the fraction of people with real tag thus highlighting the effectiveness of the mechanism.

CERTIFICATIONS

Machine Learning *Coursera, Jul 2021*

- Used the most effective machine learning techniques, and gained practice implementing them and learned not only the theoretical underpinnings of learning, but also effectively apply it.

Applied Text Mining in Python: *Coursera, Jul 2020*

- Learned about text mining and manipulation for applying basic NLP tools to group documents by topics

Data Mining With Python: *Pirple, Dec 2020*

- Learned Cluster Analysis, Classification and Regression, SVM, SVR, Dimensionality Reduction using Apache Spark

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