






## EDUCATION

<b>Master of Data Science Candidate</b> , University of British Columbia, Vancouver, BC	2021 – present
Coursework – Advanced Machine Learning(NLP), Supervised and Unsupervised Learning, Experimentation & Causal Inference	
<b>M.Sc. Mathematics</b> , Indian Institute of Technology, Bombay, India	2018
Coursework – Optimization, Graph Theory, Advanced Probability, Multivariate Calculus, Derivative Pricing	
<b>B.Sc. Mathematics</b> , Hindu College, Delhi University, India	2016
Coursework – Linear Algebra, Calculus, Probability & Statistics, Operational Research	

## WORK EXPERIENCE

<b>Data Analytics Manager</b> , SBI Funds Management Pvt. Ltd., Mumbai, India	2018 – 21
<ul style="list-style-type: none"><li>Implemented Investor Clustering &amp; Segmentation of over 10 million customers using K-Means and DBSCAN clustering for increasing digital assets usage by 25%, and improving the UI/UX experience of the investor</li><li>Built and deployed Power BI visualization reports, integrating data from SQL Server and Google Analytics, which product managers and marketing team used for monitoring digital assets performance and sales</li><li>Developed Scheme Recommendation Model for upselling and cross-selling schemes, leading to 11% increase in Digital sales</li><li>Piloted Customer Analytics usage to drive business decisions by collaborating and communicating with product owners</li></ul>	

## TECHNICAL PROJECTS

<b>Confirmation of Head Impact Detection in Sports Videos</b> , UBC Vancouver	May 22 – present
<ul style="list-style-type: none"><li>Working as part of a team of four to produce a reproducible machine learning pipeline of a Computer Vision algorithm to detect the occurrence of head impact event using a combination of Object-detection and Activity-recognition models</li><li>Save 90% of the time spent in manually analyzing videos and detecting helmet collisions in the entire game</li></ul>	
<b>Predicting Daily Rainfall in AWS</b> , UBC Vancouver 	Apr 22
<ul style="list-style-type: none"><li>Deployed Time Series model using Flask with Spark in AWS EC2 instance to predict daily rainfall in Sydney, Australia</li></ul>	
<b>Netflix Dash Dashboard</b> , UBC Vancouver 	Mar 22
<ul style="list-style-type: none"><li>Published Dash app on Heroku using Python and R scripts, depicting content trends over the years on Netflix</li></ul>	
<b>Covid-19 visualization package</b> , UBC Vancouver 	Feb 22
<ul style="list-style-type: none"><li>Created python and R packages using CI/CD workflow and unit/integration testing to visualize COVID-19 trends</li></ul>	
<b>Credit Card Default Prediction</b> , UBC Vancouver 	Dec 22
<ul style="list-style-type: none"><li>Coded reproducible scripts using Docker and Tree-based models to predict the default propensity of a credit card user</li></ul>	
<b>Data Analytics with Managerial Applications</b> , Indian Institute of Management, Lucknow, India 	Jul 17
<ul style="list-style-type: none"><li>Implemented concepts of Statistics and R programming to complete a Capstone Project 'A study of Hotel Room Pricing in Indian cities', which involved exploratory data analysis, feature selection and modelling prices of hotel prices</li></ul>	

## ACHIEVEMENTS

Top 2% (16/829) in Kaggle Team competition, WiDS Hackathon 2022   Forecast Energy Consumption	Mar 22
Top 3% (87/3537, Solo Silver) in Kaggle competition, PetFinder.my   Deep Learning   CNN   Predict Image Popularity	Jan 22
Received DST-INSPIRE scholarship (Top 1% in India) from Department of Science & Technology, Govt. of India	2013 –18

## TECHNICAL SKILLS

Programming Languages & Databases – Python, R, SQL, PostgreSQL, MongoDB, C++

Machine Learning Toolkit – Scikit-learn, fastai, PyTorch, TensorFlow, Git, Docker

Big Data Toolkit: AWS (EC2, EMR, S3), Spark, Flask, Parquet

Statistical and Visualization Tools – Power BI, Tableau, Dash, Heroku, MATLAB

## ADDITIONAL LEARNING COURSES

<b>Certified Courses taken:</b> Deep Learning Specialization (Coursera), Introduction to Machine Learning in Production(Coursera), Data Science and Analytics with R programming (Udemy), Programming, data structures and algorithms using Python (NPTEL)	
Graduate Certificate of Advanced Public Policy with Merit, The Takshashila Institution, Bengaluru, India	Aug 21
Completed 100 hours of French language course run by Ambassade de france en inde equivalent to A1	Apr 17

## EXTRA CURRICULAR ACTIVITIES

Master of Data Science Block 1 Representative, University of British Columbia, Vancouver	Oct 21
AURAA (Academic Unit Representative for Academic Affairs), Mathematics Department, IIT Bombay	2018