Rohit Rawat

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EDUCATION

Master of Data Science Candidate, University of British Columbia, Vancouver, BC   2021 – present

     Relevant Coursework – Supervised Learning, Statistical Inference, Data Visualization, Data Structures & Algorithms

M.Sc. in Mathematics, Indian Institute of Technology, Bombay, India   2016 – 18

     Relevant Coursework – Computer Programming , Optimization, Graph Theory, Advanced Probability, Multivariate Calculus

B.Sc. (Hons) in Mathematics, Hindu College, Delhi University, India   2013 – 16

     Relevant Coursework – Linear Algebra, Calculus, Probability & Statistics, Operational Research

WORK EXPERIENCE

Data Analytics Manager, SBI Funds Management Pvt. Ltd., Mumbai, India   2018 – 21

- Implemented Investor Clustering & Segmentation of over 10 million customers using Unsupervised Learning techniques (K-Means, Hierarchical) for increasing digital assets usage and sales, and improving the UI/UX experience of the investor
- Developed Scheme Recommendation Model for upselling and cross-selling appropriate schemes to investors
- Built Power BI visualization reports, integrating data from SQL Server and Google Analytics, which product managers and senior executives used for monitoring digital assets performance and sales
- Worked on a Redemption model for investors to identify customers at risk of attrition

Data Analytics Intern for Financial Inclusion, Basix SubK-iTransactions Ltd., Hyderabad, India.   Jun 17 – Jul 17

- Assessed transaction frequency and distribution of 1.2 million customers in rural and sub-urban areas
- Created segments of customers having a regular cash flow pattern to offer them new business products
- Calculated the demographic and socio-economic distribution of the investor base using chi-square test and t-test

TECHNICAL PROJECTS

Data Analytics with Managerial Applications, Indian Institute of Management, Lucknow   Jun 17 – Jul 17

- Learned and implemented basic concepts of R programming, Data Analytics, Statistics, and Econometrics
- Instilled these concepts to solve three business case studies published by Harvard Business School
- Completed a Capstone Project on Data Analytics titled 'A study of Hotel Room Pricing in Indian cities', which involved exploratory data analysis, feature selection and modelling prices of 13,232 hotels spread over 44 cities of India

Mathematics behind Cryptosystems, Indian Statistical Institute, Bengaluru   Jun 16 – Aug 16

- Analysed the mathematical concepts that form the basis of cryptographic security systems such as Public Key Cryptography

TECHNICAL SKILLS

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

Statistical and Visualization Tools – R, Power BI, Tableau, MATLAB, Wolfram Mathematica

SCHOLASTIC ACHIEVEMENTS

- Received DST-INSPIRE scholarship from Department of Science & Technology, Govt. of India   2013 – 18
- Secured All India Rank 45 out of 9,999 students in IIT-Joint Admission for M.Sc. Examination, 2016

ADDITIONAL LEARNING COURSES/TRAININGS

- **Certified Courses Taken:** Deep Learning Specialization (Coursera), Data Science and Analytics using R programming (Udemy), Programming, data structures and algorithms using Python (NPTEL), Introduction to Data Science in Python (Coursera)
- **Graduate Certificate of Advanced Public Policy** with Merit, The Takshashila Institution, Bengaluru, India   May 21 – Aug 21
- Completed 100 hours of French language course run by Ambassade de france en inde equivalent to A1   Aug 16 – Apr 17
- Finished Level-1 in Training Program in Mathematics at National Institute of Science Education & Research   May 15 – Jun 15

EXTRA CURRICULAR ACTIVITIES

MDS Block 1 Representative, University of British Columbia, Vancouver   Sep 21 – Oct 21

AURAA (Academic Unit Representative for Academic Affairs) | Mathematics Department, IIT Bombay   2013 – 18

Marketing Team Member | Enactus, Hindu College   2013 – 15

- Engaged with different underprivileged communities and contributed to self-sustainable projects

Volunteer | Shades of Happiness Foundation, a NGO based in Delhi   2013 – 14

- Under Project NEEV taught Math to children from underserved communities for their holistic development