Rohit Rawat

Vancouver, British Columbia (236) (978) (2396) rrohit28@gmail.com
https://www.linkedin.com/in/rrrohit https://github.com/rrrohit1 https://www.kaggle.com/rrrohit

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 – 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, DBSCAN) 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

Data Analytics Intern for Financial Inclusion, Basix SubK-iTransactions Ltd., Hyderabad, India.   Jun 17 – Jul 17
- Used t-test and chi-square test to determine differences between customers and created segments basis the demographic and socio-economic distribution of the investor

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 – Pawpularity Contest |Predict Image Popularity   Jan 22
- Received DST-INSPIRE scholarship(Top 1%) from Department of Science & Technology, Govt. of India   2013 – 18

TECHNICAL PROJECTS

Pruning CNN Models | PyTorch |Image Classification | Github project   Feb 22– Mar 22
- Using the Lottery Problem to prune CNN network complexity by 90%, producing similar results and reduced prediction time

Data Analytics with Managerial Applications, Indian Institute of Management, Lucknow   Jun 17 – Jul 17
- Implemented concepts of Statistics and R programming to complete Capstone Project 'A study of Hotel Room Pricing in Indian cities', which involved exploratory data analysis, feature selection and modelling prices of hotel prices

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

COURSE PROJECTS @ UBC

Netflix Dash Dashboard | Dash | Heroku   Feb 22– Mar 22
- Deployed Dash app on Heroku using Python and R scripts, depicting content trends over the years on Netflix

Covid-19 visualization packages | PyPI | Readthedocs | Vignette   Jan 22 – Feb 22
- Published python and R packages on visualizing COVID-19 statistics using Altair and ggplot libraries

Credit Card Default Prediction | Docker | Makefile | RandomForest | Classification   Nov 22 – Dec 22
- Produced reproducible scripts using Docker and Tree-based models to predict the default propensity of a credit card user

TECHNICAL SKILLS

Programming Languages & Databases – Python, R, C++, SQL, MongoDB
Machine Learning Toolkit – Scikit-learn, PyTorch, fastai, NLT-K, Git
Statistical and Visualization Tools – Power BI, Tableau, Dash, Heroku, MATLAB, Wolfram Mathematica

ADDITIONAL LEARNING COURSES

- **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

EXTRA CURRICULAR ACTIVITIES

Master of Data Science 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