ANKITA BHARDWAJ

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EDUCATION

Columbia University, New York, NY   (08/18-02/20)
MS in Management Science and Engineering, 3.56/4
Coursework: Data Analytics, Applied Machine Learning, Tools for Analytics, Business Analytics, Big Data Analytics, Operations Consulting, Optimization, Probability Statistics and Simulation, Stochastic Models.

Nirma University (NU), Ahmedabad, IN   (07/13-06/17)
BTech in Electronics and Communication Engineering, 7.9/10

RELEVANT WORK EXPERIENCE

Lifars, Data Scientist, NY   (04/20- Present)
- Building models to detect and classify malware and classify alerts in the system
- Analyzed marketing and sales data to generate leads using SQL, Python data manipulation tools and Statistics

United States Tennis Association (USTA), Data Analytics Intern, NY   (06/19-08/19)
- Analyzed the requirements of the 2019 US Open's Umpire and Player Development Teams by meeting stakeholders.
- Queried big data from Microsoft SQL server and used statistics and visualizations to understand trends and insights
- Conducted analysis such as effective umpire crew allocation & quality of data received using Python
- Translated analysis into business recommendations by building Tableau dashboards for the end-users

United Nations Development Programme (UNDP), Student Data Scientist, NY   (08/18- 05/19)
- Analyzed UNDP requirements and applied principles of agile methodologies to keep project on track
- Developed supervised machine learning models for tweets and news text classification into UNDP specified buckets
- Designed NLP classifier for sentiment analysis of the classified tweet in Python as a risk monitoring metric

FreeWheel, Student Data Analyst, NY   (08/18- 05/19)
- Led a team for achieving advertisement optimization for FreeWheel marketing teams by analyzing customers
- Conducted Exploratory Data Analysis and statistical tests to understand the customer data better and derive insights
- Cleaned, scaled and transformed data (14MM rows) in AWS using Spark and created customer segments using ML
- Translated analysis into business recommendations and articulated the insights to the clients

HACKATHONS AND PROJECTS

NASDAQ Hackathon (Winner), NY   (09/19- 09/19)
- Web scraped stock prices data and built Time Series models for future stock price prediction in Python
- Web scraped news headlines for companies to conduct sentiment analysis for stock trend prediction using Python
- Developed a dashboard to convey the analysis and results to the non-tech people who want to invest

Merchant Transaction Analysis, NY   (09/19- 12/19)
- Analyzed merchant transaction data to minimize loan default rates using Statistics and Python
- Developed a customer segmentation model to cluster similar transactions to derive insights and identify any frauds
- Analyzed risk in granting loan by using metrics such as average days between 2 transactions for each merchant

Credit Card Fraud Detection, NY   (09/18- 12/18)
- Scaled the data and sub-sampled it to reduce the imbalance in the dataset using Python
- Conducted hypothesis testing to see if the average fraud amount is large(null) or small(alternative)
- Developed machine learning models to predict fraud with an accuracy of more than 90%

SKILLS AND VOLUNTEERING

Skills: Python, Statistics, R, Spark, Keras, Machine Learning, SQL, Excel, Tableau, Power BI
Volunteering experience: Building a dashboard for a D&I start-up by collecting data through interviews and surveys