**Abhishek S Hiremath**

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**EDUCATION**

**New York University**, Tandon School of Engineering, Brooklyn, NY May 2020

Master of Science, Management of Technology, GPA 3.7/4

**B.V. Bhoomaraddi College of Engineering and Technology**, Hubli, India May 2018

Bachelor of Engineering and Computer Science, GPA 3.6/4

**TECHNICAL SKILLS**

**Programming Languages**: C, Python, R studio, NoSQL, Machine Learning, PostgreSQL, Power BI, T-SQL

**Other Tools**: MS Office Suite, SPSS, SAS, Tableau, Looker, Visio, MapReduce, AWS, RedShift, Pivot tables, VBA, Spark, Hadoop, ETL, Data warehousing, Google Analytics, Hive, React.js, Scala ,HiveSQL.

**RELEVANT EXPERIENCE**

*Data Analyst Intern*, **Metropolitan Transportation Authority (MTA),** New York, NY May 2019-December 2019

* Analyzed survey data of 5 boroughs of NY on paratransit, UI dashboard, to ensure the AAR programs were correctly implemented; anomalies within the data were investigated and resolved in a timely manner
* Wrote queries using SQL in PostGre to import data from online servers and performed regression and Random forest models
* Prepared reports for the Key Performance metrics on a daily and monthly basis and wrote small React scripts.
* Utilized text mining to extract insights from more than 100K of reviews and improve performance
* Performed Exploratory Data Analysis on the data for the whole month, prepared a report of any anomalies or low performance using Pandas (Python)

*Data Analyst Intern*, **New York University**, New York, NY Sept. 2018-April 2019

* Collected and cleaned structured and unstructured data used for admissions, created models and performed analyses
* Analyzed more than 10GB of data on Graduate Student information
* Designed and built statistical analysis models on large data sets that helped increase online registration
* Prepared Spark data processing pipelines, analytics systems (e.g. OLAP, BI tools), and machine learning models.
* Performed ETL to analyze the variations in admission registration and helped in front end using React.js
* Wrote complex SQL queries to retrieve text from online servers and store them in the database

*Data Analyst Intern*, **Accenture**, Bangalore, India Sept. 2017-March 2018

* Converted data of more than 220GB into actionable insights by predicting and modeling future outcomes
* Utilized MySQL to write queries for retrieving the data and storing in a database and data warehousing programs; utilized Tableau for data visualization
* Collaborated with marketing officer to conceptualize ideas for traditional and digital marketing content
* Designed and developed business rules for online data collection from system based on the analytics results
* Created Predictive models (Random forest and XGB boost) based on insight and analytics (using Tableau and R)
* Researched, analyzed and processed data and information from MSRB EMMA filings, reports to produce reports

**PROJECTS**

**Amazon Fine Foods Review** Jan. 2019 – May 2019

* Performed Text mining on Amazon fine food reviews (Teradata), more than 5 million reviews, to understand the pattern and quality of the reviews (Python)
* Utilized clustering, Kera’s, word embedding, MySQL to perform sentiment analysis and prepare Models (XGB) for the prediction of the ratings
* Achieved an accuracy of 89% in the predictive model of the rating; used sentiment analysis results to pull insights and suggest necessary changes
* Presented project to a Panel from Goldman Sachs, MARS and JP Morgan to show how the text mining results and predictive models can be used in the improvement of service

**Credit Default Risk Assessment** Sept. 2019 – Jan 2020

* Analyzed historical loan application data to predict whether or not an applicant would be able to repay a loan using classification and clustering
* Utilized common classification metric known as the ROC AUC for judging the results
* Examined missing data, labeled encoding, exploratory data analysis (EDA), training and testing data
* Performed correlation testing between the age and repayment factors and logistic regression for the metrics
* Designed random forest classifier and LGBM to improve the performance of the model and predict feature’s importance