

Sumeet Kumar Singh

Tableau Desktop Specialist | Microsoft Scholar

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EDUCATION

The University of Texas at Dallas - Master's in Information Technology and Management, **GPA: 3.6/4** **May 2021**
Microsoft Scholar for Machine Learning – Nanodegree from Udacity **Sept 2020**
Dayanand Sagar College of Engineering, Bangalore - (BE) in Information Science Engineering **July 2017**

TECHNICAL SKILLS

Programming: Python, R, SQL

Data Visualization: Tableau, PowerBI, GGplot2, Seaborn, Matplotlib, RShiny

Cloud: Microsoft Azure, AWS, VMware, Cloudera, KVM

Other Tools and Technologies: GitHub, MySQL, Advanced Statistics, Google Analytics, Hadoop, Spark, PIG, Flume, Sqoop, Apache HIVE, Linux, Excel Analysis, CLI, Docker, Computer Networks, JIRA, Confluence, Microsoft Project

Machine Learning: Supervised Learning Algorithms, Unsupervised Learning Algorithms, AutoML

ACADEMIC PROJECTS

Spotify Music Analysis and Recommender | R, Random Forest, Decision Tree **July 2020**

- Developed a recommender system to recommend older music having similar audio features (Key, Mode, etc) of current hit music by using Random Forest and a prediction model to predict future hit music with 79% accuracy and identified the key audio features which makes music hit.

Forecasting Crimes against Women | R, Arima, Time Series **June 2020**

- Analyzed the Crime dataset to find trend in crimes against women and built a model to forecast the number of murders in the future using Arima model.
- Developed a dashboard to present the results through a RShiny Web Application

Ultrasonic Flow Meter (USM) Health Monitor | AWS, EC2, KNIME **June 2020**

- Analyzed predictive potential of features from the USM dataset using dirt and dust node analysis
- Built a Multiclass Classifier to monitor and predict the health of a USM using Decision Tree on KNIME Analytics (AWS) platform with an accuracy of 74%

AirBnB New York Price Listing Analysis | Python, Tableau **Jan 2020**

- Performed regression to predict the odds of the price increase of property with respect to other predictor variables. Analysed collinearity, achieved the highest **predictive accuracy** from tuning multiple models
- Designed a Dashboard showcasing relationship between predictor variables by mapping them on **Tableau**

BUSINESS EXPERIENCE

Crowncloud.net

Systems Analyst

Aug 2017 – Aug 2019

- Designed database for inventory and customer data management to store records of numerous Hardware and 6000+ customers, increased **optimization** by **20%** by reducing data redundancy
- Designed and developed Virtual Machine (VM) management portal '**CrownPanel**' using MySQL, PHP, and HTML, to replace licensing costs of other tools by **90%**
- Analysed **Cost and Benefits** for Marketing team by giving insights on Customer Behaviour utilizing Google Analytics
- Developed and curated a **Recovery management system** to help automate Disk health check

VMSTACK IT

Director, Bengaluru

Aug 2017 – Mar 2019

- Reduced services outsourcing budget of crowncloud.net by 60% through setting up an Indian subsidiary company
- Led the team of technical support staff and provided employee training to junior staff, co-ordinated with **cross functional** project teams and provided performance reports to senior advisory staff
- Involved in project planning, test plan documentation and responsible for assigning individual responsibilities