Sanjit Mahajan

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EDUCATION

Robert H. Smith School of Business, University of Maryland — **College Park, MD, USA**
Master of Science in Information Systems, GPA – 3.78, GRE – 321, TOEFL - 110 — August 2021 – December 2022

- Courses: Data Processing and Analysis in Python, Database Management Systems(SQL), Data Models and Decisions, Data Visualization, Data Modeling, Data Mining and Predictive Analytics, CRM, and ERP Systems
- Awarded Terrapin Scholar Academic Award resulting in scholarship at University of Maryland

SRM Institute of Science and Technology — **Chennai, India**
B. Tech in Electronics and Communication Engineering — July 2015 – May 2019

TECHNICAL SKILLS

- Google Cloud Platform, BigQuery, Airflow, Python, SQL, SAS, R, Google Analytics, Tableau, PowerBI, GitHub

WORK EXPERIENCE

Forbes Media LLC — **Hyattsville, MD, USA**
Data Engineer Intern — June 2022 – August 2022

- Performed QA tasks using BigQuery to validate raw source data as well as upcoming updates to loader queries.
- Monitored existing pipelines in Airflow, corrected issues, and verified code integrity in GitHub
- Developed a python script to merge Google sheets working with Google Sheets API. Performed API requests to automate extraction of data, transformation and loading into destination sheets

eClerx Services Ltd — **Mumbai, Maharashtra, India**
Data Analyst — October 2020 – July 2021

- Implemented data-driven insights that improve resolution rates of Virtual Agent Bot interactions deployed by a global technology company. Performed data scrubbing to mine big-data from everyday interactions of the bot
- Boosted customer interaction rate by 18% and customer satisfaction by 10% by remodeling process workflows (pop-up blockers), designing 15 new workflows, and executing testing in virtual environments
- Earned client appreciation for creating efficiencies in workflows using data analytics and improving the process
- Briefed clients by presenting observations/suggestions regarding workflows and outlined teams progress routinely

SAS Institute India Pvt. Ltd. & Vessel Maintenance Authority — **Mumbai, Maharashtra, India**
Data Analyst Intern — June 2019 – September 2020

- Built predictive and forecasting models to predict vessel demands and observe trends generated from raw data and influence business decisions for a live analytics project by SAS Institute India covering data management
- Constructed interactive dashboards and reports to help interpret insights and provide a better understanding of readiness of ships. Monitored vessel status, operation readiness and maintenance requests in real time

PROJECT EXPERIENCE

New York City Road Accident Analysis using Python

- Analyzed, cleaned, and visualized a dataset containing data of road accidents in NYC. Used data science and Python libraries like NumPy, Pandas, Seaborn, Matplotlib, Verstack, Datetime, Plotly, re in Jupyter Notebooks
- Developed various types of interactive visualizations, including an interactive heatmap to determine top boroughs with accidents, time of day most accident-prone, most common contributing factors and type of vehicles involved in accidents for each borough. Allowed us to come up with suggestions to reduce number of accidents in NYC
- Deployed a predictive/forecasting and regression model using machine learning that evaluated the reduction in road accidents in the future after implementation of suggestions provided by our team

Restaurant Review Database System using SQL

- Designed a working IS package database system for restaurant reviews in College Park area. Created Entity-Relationship schemas, diagrams, created/altered tables, DDL and DML
- Queried database to find answers to pertinent business questions such as most popular restaurants based on ratings, most popular delivery option, customer reviews for a particular restaurant and so on

Performance Analysis of Smart Efficient Weather Adaptive Street Lighting System using IOT

- Managed a team of four to perform analysis of smart weather adaptive street lighting system. Designed a lighting system which adapts to weather conditions and ambient light adjusting brightness of light emitted accordingly
- Programmed a mobile based application to track status in real-time and data was uploaded to a cloud based IoT platform. Resulted in energy conservation due to ability of altering process in real-time