

VIRAJ VIJAYKUMAR SHETTY

Analytics Practitioner | Data Enthusiast | HIPAA Certified
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EDUCATION

The University of Texas at Dallas, Richardson, TX (GPA: 3.5/4.0)
MS in Information Technology Management (*Business Analytics Specialization*) August 2021 - Present
Relevant coursework: Machine Learning, Advance Statistics for Data Science, Database Foundations, Big Data

The University of Mumbai, Mumbai, Maharashtra, India (GPA: 3.2/4.0)
BE in Computer Engineering June 2016 - November 2020
Relevant coursework: Analysis of Algorithms, Cloud Computing, Natural Language Processing, Data Warehousing

EXPERIENCE

Loopback Analytics, Real World Data Intern June 2022 - Present

- Assembled Client Feasibility requirements and extracted data using **Snowflake** to optimized data fetching by **37%**
- Wrote optimized SQL Queries in Snowflake on **100+ GB** of Data to answer client research question.
- Worked on **Data Clustering** of Socio-Economic Data using Census API on **Databricks & Snowflake** which reduced null values in columns from **24%** to **5%**.

m-Uni Campus, Data Analyst Intern December 2018 - February 2020

- Produced a Python based **YouTube-scraper** which scraped **10K** links and title of a specific keyword.
- Performed **ETL** using **pandas** to store the data with optimized **SQL scripts** which increased access speed by **67%**.
- Formulated a recommendation system and integrated the scripts in the student portal which led to **30%** increase in student retention.

PROJECTS

Payroll Management System, Database Project, [Code] January 2022 - May 2022

- Gathered employee details to formulate and developed SQL scripts to fetch employee data from databases
- Constructed database objects, performing Data Normalization, Joins, Relationships, **ERD** using **MySQL Workbench**

Chicago Crime Data Analysis, Tableau Visualization, [Viz] January 2021 - March 2021

- Processed **1 million** rows of data from Data.gov Chicago Crime using Prep Builder to extract **500K** rows of data.
- Connected the data source with Tableau to give a detailed analysis of Crime in different parts of Chicago.

Real Time Bridge Health Management System, Capstone Project, [Code] August 2019 - October 2020

- Researched **10+** papers to create a framework for a Real Time Bridge Health Management System
- Automated the process of Bridge Health Monitoring to reduced human intervention by **100%** using Audio and Image Processing Modules

YouTube Scraper, Internship Project, [Code] December 2018 - February 2020

- Formulated a **Selenium** based scraping tool which scraped **10K** video links from YouTube on a specific keyword.
- Developed immersive visualization using **seaborn and matplotlib** which improved scraping accuracy by **21%**.

SKILLS

Programming Languages & Databases: Python, R, SQL, MongoDB, MS Access.

Tools & Services: AWS S3, Git, JIRA, Visual Studio, Tableau, Snowflake, DataBricks, PowerBI, MS Excel

Framework & Libraries: Pytorch, Tensorflow, Pandas, Matplotlib, Numpy, Keras, Scikit-Learn.

Machine Learning Algorithms: Random Forest, KNN, Naïve Bayes, SVM, Decision Tree.

Statistical Techniques: Hypothesis Testing, Statistical Analysis, Inferential Statistics, Logistic Regression

Certifications: HIPAA Certification (2022 - 2024)

EXTRACURRICULAR & CLUBS

- Communications Officer** at **Project Management Club** - University of Texas at Dallas
- Music Committee Member** at **SUAAB** - University of Texas at Dallas
- Member of **TapTheTech** - NGO that advocated equal education featured on Coursera.org [\[Link\]](#)