

VIRAJ VIJAYKUMAR SHETTY

Analytics Practitioner | Data Enthusiast

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EDUCATION

- The University of Texas at Dallas, Richardson, TX** (GPA: 3.45/4.0)
MS in Information Technology Management (*Business Analytics Specialization*) August 2021 - Present
Relevant coursework: Applied Machine Learning, Advance Statistics for Data Science, Database Foundations
- 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

- The Sparks Foundation, Data Science and Business Analytics Intern** December 2020 - January 2021
- Preprocessed datasets and delivered interactive dashboards in **Tableau** that resulted in decrease of loss by **34%**
 - Accomplished exploratory data analysis using Python that helped achieve KPI to boost sales by **60%**.
 - Reviewed and gave feedback to peers which resulted in **80%** increase in their performance review.
- 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, MySQL, MongoDB, MS Access.

Tools & Services: AWS S3, AWS EC2, GitHub, Visual Studio, Tableau, MS PowerPoint, 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

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 [\[Link\]](#)