

Viraj Shetty

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EDUCATION

The University of Texas at Dallas

August 2021 – May 2023

Master of Science, Information Technology Management

GPA 3.45

Coursework – BA with R, Advance Statistics, Data Warehousing, Applied Machine Learning, Organizational Behavior

Extra-Curricular – Project Management Club Communications Officer, SUUAB Music Committee Member

University of Mumbai

July 2016 – November 2020

Bachelors of Engineering, Computer Science

GPA 3.2

TECHNICAL SKILLS

Programming and Databases: Python, R, SQL, NoSQL, SQLite, MongoDB, MS Access

Tools / Technologies: Tableau, Google Analytics, Microsoft Power BI, R-Studio, Microsoft Office, Azure

Domain Knowledge: Statistics, Machine Learning, Deep Learning, A/B Testing, Regression

Certifications: Google Search Ads, Google Display Ads, AWS Cloud Fundamentals (April 2022)

PROFESSIONAL EXPERIENCE

The Sparks Foundation, Singapore

December 2020 – January 2021

Data Science and Business Analytics Intern

- Preprocessed datasets and delivered interactive dashboards in **Tableau & R** 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

mUni Campus, Mumbai

December 2018 – February 2020

Data Analyst Intern,

- Managed a team of 5 people to produce a **Python** based **web-scraper** which scraped **10K** YouTube videos links and title of a specific keyword which had **87% relevance**
- Performed **ETL** using **pandas** and stored the data in company's cloud using optimized **SQL** scripts.
- Formulated a **recommendation system** which assigned a score to the videos from the database.
- Integrated the scripts into the official m-Uni Campus student portal using Python and **AWS** which led to a **30% increase** in student's retention

ACADEMIC PROJECT EXPERIENCE

Payroll Management System – MySQL Workbench

January 2022 – Present

- Identified use cases based on requirement analysis and Created Use case and Sequence Diagram.
- Currently working on ER Diagram and planning to create a web-based app which is connected to the database.

Chicago Crime Data Analysis – Tableau Prep Builder, Tableau, Exploratory Data Analysis

January 2021 – March 2021

- Processed **1 million rows** of data from Chicago Crime Dataset using **Prep Builder** and Extracted **500K rows of data**.
- Analyzed the Prep builder flow and devised a [Tableau Dashboard](#) to give detailed analysis of Crime in different parts of Chicago.

Real Time Bridge Health Monitoring System – IOT, Python, PyQt5, Sound Processing

August 2019 – October 2020

- Researched and created a framework for a [Real-time bridge health monitoring system](#)
- Automated the process of bridge health monitoring by creating 3 modules.
- Audio Processing (For finding out cracks and deformities using sound), Image Processing (For detecting cracks and damage on the structure), and Hardware module (For finding the bend and vibrations in the structure).

YouTube Scraper – Python, Selenium, Recommendation System, AWS

December 2019 – February 2020

- Extracted a section of code from the internship project to create an independent project and added visualization code for the relevance score.
- Developed a [Scraping tool](#) that scrapes links of certain keyword from YouTube and gives output as a set of links.
- The final output will be a list of videos - relevant to the keywords, most relevant video on the top.