Viraj Shetty

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EDUCATION EXPERIENCE

The University of Texas at Dallas,   August 2023
Master of Science, Information Technology Management   **GPA 3.45**
Coursework – Business Analytics with R, Advance Statistics for Data Science, Applied Machine Learning, Google Analytics, Database Foundation for Business Analytics, Organizational Behavior
Volunteer Work – ISA Design Volunteer, Meteor Theater, Student Worker

Shah & Anchor Kutchhi Engineering College,   October 2020
Bachelor of Engineering, Computer Science   **GPA 3.2**

TECHNICAL SKILLS

Programming:	Python, R, SQL, NoSQL, HTML/CSS, TensorFlow, scikit-learn
Tools / Technologies:	Tableau, Google Analytics, Jupyter Notebook, SQLite, NumPy, Matplotlib, AWS, MS Office
Domain Knowledge:	Statistics, Machine Learning, Deep Learning, Data Visualization, A/B Testing
Databases:	MySQL, MongoDB, SQLite, Firebase
Certifications:	Tableau Analyst, Applied Data Science with Python Level I & II, Python for Everybody

PROFESSIONAL EXPERIENCE

The Sparks Foundation, Singapore. ***Data Science and Business Analytics Intern***   December 2020 – January 2021
- Analyzed datasets and delivered interactive dashboards in Tableau & R that resulted in decrease of loss by 34%.
- Organized inferences and accomplished exploratory data analysis using Tableau & Python that helped achieve KPI to boost their sales by 60%.
- Reviewed and gave feedback to peers which resulted in 80% increase in their performance review.
  Technologies Used – Python, Tableau, Tableau Prep Builder, Machine Learning

m-Uni Campus, Mumbai. ***Data Analyst Intern***   December 2019 – February 2020
- Managed and guided a team of 5 people to produce a Python based web-scraper which resulted a 53% increase in the web traffic.
- Formulated a method to find the most relevant video by assigning a score and developed a Python script to scrape YouTube videos on a specific keyword which had 87% relevance.
- 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.
  Technologies Used – Python, SQL, AWS, Recommendation System, Matplotlib and Data Visualization

ACADEMIC PROJECTS

Real-Time Bridge Health Monitoring System | Python, Machine Learning, Firebase   August 2019 – October 2020
- Researched 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   August 2019 – October 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 that will be relevant to the keywords - most relevant video on the top

Air Quality Index Visualization of India | Tableau, Tableau Prep Builder January 2021 – February 2021
- Built and published an interactive dashboard on tableau to show the change in the Air quality index.
- Scaled the real time dataset from the Indian government portal to derive the Air Quality Index of Uttar Pradesh, Delhi and Assam have deteriorated over the span of 13 Years.

ADDITIONAL INFORMATION

Eligibility: Eligible to work in the US for internships and full time for up to 36 months (STEM)