Mohit Shukla

Harrison, NJ 07029| mohit.shukla@rutgers.edu| linkedin.com/mohit2297 | github.com/mshukla20 | Portfolio

EDUCATION

MS in Information Technology & Analytics | Rutgers University, New Jersey　　　　**GPA: [3.74/4]**　　　　**Dec 2020**

Relevant Coursework: Analytics for Business Intelligence, Data Science, Data Analysis & Decision Making, Business Data Management, Multivariate Analysis, Business Forecasting, Data Analysis & Visualization, Project Management

BE in Electronics Engineering | University of Mumbai, India　　　　**GPA: [7.14/10]**　　　　**May 2019**

Relevant Coursework: Modern IT for management, Object-Oriented Programming, Statistics, Structured Programming Approach

PROFESSIONAL EXPERIENCE

Research Assistant | Rutgers University | Newark, NJ　　　　**Sept 2020 – Present**

- Assisted in creating, maintaining a Tableau Dashboard used for university Enrollment, Retention and Graduation (ERG) Analysis
- Extracted, transformed, and loaded data on more than 6,500 students enrolled in Rutgers education programs
- Created interactive dashboards highlighting trends and outcomes

Data Visualization Engineer Intern | TWG Companies | Newark, NJ　　　　**May 2020 - Aug 2020**

- Collected, cleansed large datasets and optimized custom SQL queries used for portfolio implementation initiatives
- Designed visualizations and interactive user interfaces Tableau dashboards to get and present insights of complex datasets
- Analyzed and monitored key portfolio metrics and risk metrics of funds, and overviewed daily portfolio rebalance schedule
- Established constructive partnerships with colleagues for regular and ad-hoc portfolio overview and report meeting, and expanded expertise across software solutions like Tableau, Python, Alteryx and Microsoft SQL

Data Analyst | Rutgers University, Business & Administrative Services| Newark, NJ　　　　**Jan 2020 – May 2020**

- Retrieved 2 + online industry raw data through Python, transposed data in Excel; Produced line charts, bar charts, box plots using matplotlib package in Python to analyze industry performance
- Wrote SQL query to clean 100k + rows of detailed industry information data and loaded data into Tableau server
- Shaped 3 + business analytics Tableau Dashboard to explore market patterns and capture business-related effort
- Audited under Business Administrative Service Division to create formal client presentations and market analysis, increasing revenue by 30%

PROJECTS

Network Carrier: T-Mobile Expenses | Python, Visual Studio Code　　　　**July 2020 – Aug 2020**

- Constructed a python application to calculate the monthly expenses of mobile carrier service
- Integrated Gmail API service to send an automated email to users reducing the overall manual work to 80%
- Build Up several cases using Pytest module, Integrated Venmo API to send transaction requests to 10+ users

Movie Industry Visualization | Tableau　　　　**April 2020 – June 2020**

- Visualized data of past 30 years of movies on Tableau, performed EDA, built 5 dashboards
- Predicted if Animation genre movies will be dominating real-life films in 15 years

Microsoft Stock Price Prediction | R, RStudio　　　　**Dec 2019 – Mar 2020**

- Performed data scraping & envisioned the trends, stationarity parameters with ACF, PACF of 7 years stock price of Microsoft
- Implemented ARIMA, SES, Holt's Winter's method. SES model fits data set correctly because of its 1.09 RMSE score

YouTube Trending Video Data Analysis | Python, AWS　　　　**Sept 2019 – Nov 2019**

- Fetched approximately 1192 videos data from YouTube API by maintaining a script, stored it in AWS
- Achieved 97% accuracy on test set using Stochastic Gradient Descent Classifier to train model which classifies trending and non-trending video based on several parameters

Visual History of Nobel prize winners | Python　　　　**June 2019 – Aug 2019**

- Analyzed trends in over 100 years noble prize winners, manipulated data using Pandas in Python
- Presented results of each category winners from year 1901 – 2016 graphically using Pythons seaborn library

TV, Halftime Shows, and the Big Game | SQL　　　　**March 2019 – May 2019**

- Scraped, Cleaned & Explored 52 Super Bowls game, television & halftime show data through 2018 from Wikipedia
- Applied SQL functions on 3 tables to extract useful information, structured distribution points of games using histograms

SKILLS

Programming: Python, R, Java, C, JavaScript, HTML5, CSS3
Databases: MongoDB (NoSQL), MYSQL, Oracle
Tools: Tableau, Power BI, MS Excel (VLOOKUP, Pivot), MS Office, Git, SAS, Salesforce, Visual Studio Code, JIRA, Slack
Cloud & OS: Amazon Web Services (AWS), Linux, Windows