

Mohit Shukla

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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

SKILLS

Programming: Python, R, Java, C

Databases: MongoDB (NoSQL), MySQL, Oracle

Tools: Tableau, MS Excel (VLOOKUP, Pivot), MS Office, Power BI, Git, SAS, Salesforce, Visual Studio Code, JIRA, Slack

Cloud & OS: Amazon Web Services (AWS), Linux, Windows

PROFESSIONAL EXPERIENCE

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

- Designed backend login API using Java Spring boot, used GitHub as a version control tool for maintaining codebase
- Maintained SQL scripts, created tables in a data warehouse for daily reporting across 4 departments
- Developed ETL processes for data sources used in production reporting for marketing/operations teams of 3 projects
- Programmed data quality checks, helping issue monitoring, resolution, lowering application downtime instances by 50%

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**

- Fetches 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 Python's 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

LEADERSHIP & CERTIFICATION

Vice President | Information Technology Student Association | Rutgers University **Sept 2019 – Present**

AWS Certified Solutions Architect Associate | Udemy **August 2020**

CISA (Certified Information Systems Auditor) | LinkedIn Learning **July 2020**

(Available to work in the US through Optional Practical Training | Ready to Relocate)