ADITYA DIWANE

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EDUCATION

Master of Information Technology and Analytics, Rutgers University, Newark, NJ. **GPA: 3.67** Dec 2020
Courses: Data Analytics & Decision Making, Machine Learning, Data Visualization, Business Data Management
B. Engineering in Electronics and Telecom, University of Mumbai, Mumbai India. **GPA: 3.56** May 2019
Courses: Object-Oriented Programming, Microcontroller programming, Signals & Systems, Data Encryption

SKILLS

- **Programming Languages:** Python, SQL, R, VBA, Java, TensorFlow, PowerShell
- **Databases:** MySQL, NoSQL, MSBI stack (SSMS, SSIS, SSRS, SSAS), Extract Transform Load (ETL), Canary Database
- **Libraries:** Pandas, Matplotlib, sk-learn, Seaborn, dplyr, shiny, ggplot2, Beautiful Soup, NumPy, Flask, NLTK
- **Cloud Services:** AWS: Elastic Compute (EC2), Lambda, DynamoDB, S3, SAP Cloud Platform, Cloud Foundry
- **Tools:** Tableau, MS Excel, MS Access, MS Office, Power BI, Sharepoint, Postman, GIT, Visual Studio

WORK EXPERIENCE

DATA ANALYST INTERN, Incture Technologies, Pittsburgh, PA. May 2020 - Dec 2020

- Co-ordinated with product team stakeholders to deliver a data-driven solution to reduce operation time by 60%
- Performed data collection from Canary API using Postman and merged the disparate files using python
- Designed a Tableau dashboard to monitor KPIs such as task completion rate, improving operator efficiency by 12%
- Automated task classification using an sk-learn machine learning model which saved $91k in monthly operation costs
- Undertook hyperparameter tuning using RandomSearchCV and GridSearchCV, increasing F-1 score of ML model by 5%
- Deployed machine learning solution to SAP cloud by writing a REST API using flask to fulfill internal client demands
- Worked on 2 proof of concepts carrying out initial research, & finished competitor surveys to analyze solutions in use
- Assessed current state of scheduling system & prescribed 2 possible solution approaches based on Neural Networks

DATA ANALYST INTERN, Ujwal Electric Motors Pvt Ltd, Ahmednagar, India. May 2018 - May 2019

- Collaborated with inventory manager to track inventory statistics, decreasing excess spends on inventory by 7%
- Overhauled existing inventory monitoring system using Excel macros, generating periodic reports with ease
- Converted sales, inventory & financial reports to Tableau dashboards, increasing readability for stakeholders
- Pioneered combined report generation for multiple projects using Excel, improving productivity by 10%
- Introduced a master report, housing KPIs from various departments to brief high-level executives weekly
- Created pivot tables to track daily production efficiency using Drumbeat data feed to help continuous improvement
- Performed ad-hoc reporting through visual presentations to decision-makers on a weekly basis

PROJECTS

DATA ANALYST, Exploratory Data Analysis Of Movies Data-Set (R, GitHub pages) Oct 2020
- Cleaned & analyzed IMDB data-set using dplyr & ggplot2 to draw insights from box office KPIs like budget, revenue
- Applied text mining functions to conduct genre association analysis, discovering action genre with most overlaps
- Derived key indicators from existing metrics using custom functions to compare profitability & IMDB ratings

DATA ENGINEER, Instagram Database Clone Analytics & Reports (MS Access, Microsoft SQL Server) Oct 2020
- Gathered requirements, designed database & generated an ER Diagram to obtain a visual overview of the database
- Authored CRUD commands to insert data for 100 users containing multiple attributes into the MS SQL Server database
- Identified 13 bots in the user pool for administrators using join commands to revoke user access & delete them

DATA ANALYST, English Premier League 2019-20 Season Overview (Tableau) Sep 2020
- Performed data collection of 20 teams spread in multiple files and homogenized it using Excel & prepared for analysis
- Designed Tableau dashboard to filter and monitor top performing players based on KPIs like Goals & Assists
- Consolidated dashboards into a story, aiding users to compare the performance of all teams based on multiple metrics

MACHINE LEARNING ENGINEER, Youtube Trending Video Classification (Python, AWS) Sep 2020
- Conducted Exploratory Data Analysis to understand data distribution & visualized the same using Matplotlib library
- Trained classifier model using sk-learn libraries to segregate YouTube videos into Trending & Non-Trending categories
- Achieved 97% model accuracy by tuning the hyperparameters of the model using a Grid-search method