

ADITYA DIWANE

aditya.diwane@rutgers.edu | +1 (201) 417-0047 | [LinkedIn](#) | [GitHub](#) | [Portfolio](#) | Harrison, New Jersey

EDUCATION

Master of Information Technology and Analytics, Rutgers University, Newark, NJ. **GPA: 3.67/4.00** Jan 2021

Courses: Data Analytics & Decision Making, ML, Data Visualization, Business Data Management, Project Management

B. Engineering in Electronics and Telecom, University of Mumbai, Mumbai India. **GPA: 7.04/10.0** May 2019

Courses: Object-Oriented Programming, Microcontroller programming, Operating Systems, Data Encryption

SKILLS

- **Programming Languages:** Python, SQL, T-SQL, R, VBA, Java, TensorFlow, PowerShell, XML
- **Databases:** MySQL, NoSQL, MSBI Stack (SSMS, SSIS, SSRS, SSAS), Extract Transform Load (ETL), Redshift, PostgreSQL
- **Libraries:** Pandas, Matplotlib, sk-learn, Seaborn, dplyr, shiny, ggplot2, Beautiful Soup, NumPy, Flask, NLTK, PyTorch
- **Cloud Services:** AWS: Elastic Compute (EC2), Lambda, DynamoDB, S3, Kinesis, SAP Cloud Platform, Cloud Foundry
- **Tools:** Tableau, Power BI, MS Excel, MS Access, MS Office, Alteryx, MongoDB, Hive, Postman, Git, Visual Studio, JIRA, Google Analytics, SharePoint, Looker, Qlik, Tag Manager, JSON

WORK EXPERIENCE

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

- Co-ordinated with the product team in an Agile setting to deliver data-driven solutions reducing operation time by 60%
- Executed data collection from Canary DB using Alteryx ETL pipeline to get & transform 4 GB of JSON data to CSV format
- Proposed Tableau dashboards to monitor KPIs: total tasks, completion rates, etc. improving operator efficiency by 12%
- Identified trends in task generation using standard data analysis tests on inputs, like correlation & linear regression
- Built scalable data-processing pipeline using SAP to clean & transform data from multiple sources to the target format
- Automated task classification using an sk-learn machine learning model, which saved \$91k in monthly operation costs
- Deployed machine learning solution to SAP cloud by writing a REST API using Flask to fulfill internal client demands

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

- Operationalized BI solutions & conducted advanced analytics to identify options & strengths to meet business goals
- Collaborated with inventory manager to track inventory statistics, decreasing spends on inventory by 7% for the year
- Cleaned, de-duplicated, & harmonized data across various systems using SQL to create a robust data warehouse
- Converted 15+ sales, inventory & financial reports to Tableau dashboards, increasing readability for stakeholders
- Created & maintained data visualizations that educated & engaged business leaders on KPIs & performance measures
- Conducted interviews with key business users to collect information on business processes & requirements
- Assisted project lead to negotiate transportation deals by conducting market research on available service providers

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 using join commands for administrators to revoke user access & delete them

DATA VISUALIZATION ENGINEER, English Premier League 2019-20 Season Overview (Tableau, MS Excel) Sep 2020

- Conducted 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

CERTIFICATIONS: Tableau, AWS Certified Solutions Architect, Excel Skills for Business Analysis, SQL Essentials, Power BI