

ADITYA DIWANE

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EDUCATION

Master of Information Technology and Analytics, Rutgers University, Newark, NJ. **GPA: 3.67** Jan 2021
Courses: Data Analytics & Decision Making, Data Visualization, Business Data Management, Project Management
B. Engineering in Electronics and Telecom, University of Mumbai, Mumbai India. **GPA: 3.56** May 2019
Courses: Object-Oriented Programming, Microcontroller Programming, Operating Systems, Data Encryption

WORK EXPERIENCE

RESEARCH ASSISTANT, Rutgers Business School, Piscataway, NJ. Feb 2021 - Present

- Established KPIs in Google Analytics by tagging to measure business performance for SEO & website optimization
- Formulated Tableau dashboard showing user engagement & performed A/B hypothesis testing data to forecast sales
- Improved reporting efficiency by creating macros using VBA to automate adding hyperlinks & text to table of contents

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

- Co-ordinated with global product team as a consultant to deliver data-driven solutions reducing operation time by 60%
- Executed data collection from Canary DB using SQL queries to get, clean & transform 4 GB of server data to CSV format
- Proposed Tableau dashboards to monitor KPIs: total tasks, completion rates, etc. improving operator efficiency by 12%
- 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
- Adopted agile methodology (SCRUM) with stakeholders throughout SDLC to resolve issues by maintaining issue logs
- Ensured quality by executing test plans for SIT, UAT, Preproduction & Production environments each with 70 test cases

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
 - Automated report generation by using Excel (pivot tables, VLOOKUP, macros), saving 30% of manual processing time
 - Converted 15+ sales, inventory & financial reports to Tableau dashboards, increasing readability for stakeholders
 - Implemented MS SQL Server data warehouse using SQL queries to create fact & dimension tables for business metrics
 - 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
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PROJECTS

DATABASE MANAGEMENT, DATA MINING, Instagram 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

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

- Developed Python script to scrape data from a website & load all 20 teams & player statistics into multiple CSV files
- 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

CLOUD DEVELOPMENT, MACHINE LEARNING, YouTube Trending Video Classification (Python, AWS) Sep 2020

- Automated data collection from YouTube API using AWS EC2 instances & stored the data in AWS Aurora MySQL tables
 - 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 sk-learn Grid-search method
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SKILLS

- **Programming Languages:** Python, SQL, T-SQL, R, VBA, HTML, CSS
 - **Databases:** MySQL, MS SQL Server, Oracle SQL, SSMS, Redshift, PostgreSQL, Canary DB
 - **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, JSON
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CERTIFICATIONS: Udemy: Tableau, AWS Solutions Architect, Power BI, Excel Skills for Business Analysis, SQL Essentials