

Pragati Divekar

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EDUCATION

The University of Texas at Dallas, United States

May 2024

Master of Science, Information Technology and Management (Business Intelligence)

GPA: 3.8/4.0

Coursework: Data Visualization, Advanced Statistics, System Analysis, Cloud Computing, Big Data, Product Management

University of Mumbai, India

Jun 2018

Bachelor of Engineering, Electronics Engineering

GPA: 3.7/4.0

TECHNICAL SKILLS

Data Visualization: Tableau, Microsoft Power BI, Google Analytics, Adobe Analytics, MS Quick Sight

Programming: Python (Pandas, Matplotlib, NumPy, Scikit-Learn, Seaborn), R, SQL (CTE, Windows Function)

Databases: MS SQL Server, PgAdmin4, PostgreSQL, AWS (Redshift, S3), MongoDB, Snowflake, HDFS

Certifications: IBM Data Analyst Professional Certification, AWS Cloud Practitioner, Google Analytics, Alteryx

BI Skills: Data Analysis, Data Visualization & Reporting, Data Modeling, Prediction & Regression Analysis

PROFESSIONAL EXPERIENCE

Motorola Solutions

Chicago, United States

Business Intelligence Intern

Aug 2023 – Dec 2023

- Engineered Financial Dashboards by integrating **Tableau** with **AWS Redshift** Datawarehouse to visualize KPIs, including Revenue, cost and margin facilitating **25%** boost in data driven decision making for the PMO team.
- Devised predictive models using **regression analysis** in **Python** to forecast budgets and risks for upcoming 4 quarters across SI, achieving **15%** reduction in budget variances, **20%** decrease in project risks, and significant cost savings.
- Leveraged **advanced SQL** techniques (**Window Functions, CTEs, and Joins**) to extract precise data, developing intuitive **Tableau dashboards** for in-depth fleet and driver performance data analysis, driving a **10%** uplift in vehicle utilization.
- Expediated enterprise data integration by devising a scalable **automation** script to synchronize data between Google Sheets and Docs via **Google App Script**, minimizing consolidation tasks by **60%**.

Larsen & Toubro Infotech Ltd

Mumbai, India

Business Intelligence Engineer

Jun 2021 – Jun 2022

- Collaborated with stakeholders for requirements gathering across 6 business units for a data migration project.
- Spearheaded data modeling and validation of **10M+** records, executing **ETL** using **Python, SQL, and Alteryx** to integrate terabytes of datasets, ensuring **99%** data quality and integrity, streamlining migration processes by **40%**.

Data Analyst

Aug 2018 – May 2021

- Examined **KPIs** for healthcare clients and generated **Power BI** reports leveraging **DAX & Power Query**. Identified functional requirement validating same with cross-functional teams to minimize risks, optimized output around **30%**.
- Enhanced a **SQL** server database with 50,000+ customer records for healthcare clients in EMEA and NA regions, enacting SQL queries (Stored Procedures, Joins, Indexing, Views) accomplishing an impressive **12%** increase in revenue.
- Implemented Python-based **Time Series Forecasting model** to predict monthly ticket closure rates within our operational framework, streamlining ticket handling processes, workload management, and resource allocation.
- Automated **ETL** pipelines leveraging **Pandas** for efficient data extraction, transformation, and **Apache Airflow** for scheduling and orchestrating data workflows, reducing data preparation time by **50%**.
- Integrated 10K records from multiple sources using Excel **VLOOKUP** and leveraged Pivot Tables for sales trend analysis.

ACADEMIC PROJECTS

Truck Fleet Risk Analysis on Hadoop (HDFS, Hive SQL, Sqoop, Tableau, R)

Jan 2024– Mar 2024

- Ingested fleet data to **HDFS** with Sqoop and created **HIVE** tables, enabling exploratory data analysis using **Hive SQL**.
- Pioneered Tableau dashboard creation, harnessing the insights from the Hadoop cluster and integrated predictive models in R to forecast risk with 92% accuracy, enabling proactive measures to optimize truck fleet operation.

Pizza Sales Data Analysis (PostgreSQL, PgAdmin4, Joins, Sub queries)

Feb 2023– Apr 2023

- Leveraged PostgreSQL with subqueries, joins, and stored procedures to analyze Pizza Sales data, identifying KPIs such as daily, monthly, and quarterly orders, as well as detailed breakdowns by pizza category and sizes.

Exploratory Analysis of Amazon Prime Dataset (Power BI, Power Query)

Sep 2022 – Dec 2022

- Conducted in-depth analysis of Amazon Prime Movies & TV shows data using Power BI, highlighting key metrics such as total shows by Genre, shows and rating through visualizations, aiding decision-making, and strategy development.