

Pragati Divekar

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EDUCATION

The University of Texas at Dallas, United States

May 2024

Master of Science, Information Technology and Management (STEM)

GPA: 3.8/4.0

Coursework: Data Visualization and Warehousing, Cloud Computing, Big Data, Advanced Statistics, Spreadsheet Modeling

University of Mumbai, India

Jun 2018

Bachelor of Engineering, Electronics Engineering

GPA: 3.7/4.0

TECHNICAL SKILLS

Programming: Python (Pandas, Matplotlib, NumPy, Seaborn), R, SQL (CTE, Windows Function), HiveQL, PL/SQL

Databases: MS SQL Server, PostgreSQL, MongoDB, Snowflake, HDFS, IBM DB2

BI Tools: Tableau, Microsoft Power BI (DAX, Power Query), Google Analytics, Adobe Analytics, QuickSight

Cloud: AWS (Glue, Redshift, Quick Sight, EC2, Athena, CloudWatch, RDS, DynamoDB, S3)

Technologies: Advanced Excel (VBA, VLOOKUP, Pivot tables, Solver), Big Data (Hive, Impala, MapReduce, Spark, Sqoop)

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

PROFESSIONAL EXPERIENCE

Motorola Solutions

Chicago, United States

Business Operations Intern

Aug 2023 – Dec 2023

- Engineered Financial Dashboards by integrating **Tableau** with **AWS Redshift** Datawarehouse to visualize impactful financial KPIs, facilitating **25%** boost in data-driven decision making for the PMO team over 3-month period.
- 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 projects and generated **Power BI** reports leveraging **DAX, Power Query** to identify 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.
- Architected a **Python-based** Time Series Forecasting model to predict monthly ticket closure rates, resulting in 45% substantial improvements in operational efficiency.
- 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, HiveQL, Sqoop, Tableau, R)

Jan 2024– Mar 2024

- Ingested fleet data to **HDFS** with Sqoop and created HIVE tables, enabling exploratory data analysis using **HiveQL**.
- 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.

Airline Crew Management system (AWS, EC2, S3, Lambda, Cognito, QuickSight)

Feb 2023– Apr 2023

- Implemented scalable and highly available cloud infrastructure on **AWS**, leveraging services such as Amazon EC2, Amazon RDS, and AWS Lambda, ensuring smooth and uninterrupted operations for the Air Crew Management System.

Customer Shopping Trends Analysis (Power BI, Power Query, Excel)

Sep 2022 – Dec 2022

- Led comprehensive customer shopping trend analysis using **Power BI**, employing LOD calculations to drive data-driven strategies for enhancing customer experience, maximizing marketing impact, and driving revenue growth.