

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, System Analysis

University of Mumbai, India

Jun 2018

Bachelor of Engineering, Electronics Engineering

GPA: 3.7/4.0

TECHNICAL SKILLS

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

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

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, 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.

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.

Amazon Prime Movies & TV Shows Analysis (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.