

Pragati Divekar

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EDUCATION

The University of Texas at Dallas, United States

Aug 2022 – May 2024

Master of Science, Information Technology and Management

GPA: 3.8/4.0

University of Mumbai, India

Jun 2014 – Jun 2018

Bachelor of Engineering, Electronics Engineering

GPA: 3.7/4.0

PROFESSIONAL EXPERIENCE

Motorola Solutions

Aug 2023 – Dec 2023

Business Intelligence Intern

- Engineered Financial Dashboards by integrating **Tableau** with **AWS Redshift** Datawarehouse to visualize KPIs, including Revenue, cost and margin facilitating **25% boost** in headcount-related **decision making** for the PMO team.
- Developed predictive models using **regression analysis** in **Python** to forecast budgets and risks for upcoming 4 quarters, achieving **15%** reduction in budget variances, **20% decrease in project risks**, and **significant cost savings**.
- Leveraged advanced **SQL** techniques to extract precise data, developing intuitive **Tableau dashboards** for in-depth fleet and driver performance data analysis, driving a **10% uplift in vehicle utilization**.
- Designed an automation script to synchronize data between Google Sheets and Docs via **Google App Script**.

Larsen & Toubro Infotech

Aug 2018 – Jun 2022

Business Intelligence Analyst

- Collaborated with stakeholders to identify and revise reporting requirements, supporting **Data warehouse** and **DataMart** operations across **6** business units during data migration project, optimizing data accuracy.
- Led data integration initiative, **modeling** and validating 15M+ records across diverse sources **achieving 99% data quality**.
- Designed **Alteryx** workflows to automate data cleansing and transformation tasks, **reducing 70% manual efforts**.
- Served as **Subject Matter Expert** for decision-making using **Looker**, providing strategic insights to leadership teams.
- Implemented **Apache Airflow** for scheduling and orchestrating data workflows, enhancing **operational efficiency by 40%**.

Data Analyst

- Examined pharmaceutical KPIs and generated **Power BI** reports using **DAX** and **Power Query**, applying row-level security to ensure data confidentiality, collaborating with cross-functional teams to **minimize risks and optimize output by 30%**.
- Enhanced **SQL Server** database with 50,000+ customer records for healthcare clients in EMEA and NA regions, enacting SQL queries (Stored Procedures, Joins, Views) accomplishing an impressive **12% increase in revenue**.
- Architected 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.
- Extracted and integrated data from diverse sources (flat files, APIs, Relational Databases, Data warehouses) using **ETL** techniques, creating a unified source for reporting purposes **improving data accessibility by 30%**.

ACADEMIC PROJECTS

Truck Fleet Risk Analysis on Hadoop – [HDFS, Hive SQL, Sqoop, Tableau, R]

- Ingested fleet data to HDFS with **Sqoop** and created **HIVE** tables, enabling exploratory data analysis using **Hive SQL**.
- Built an advanced Tableau dashboard integrated with R-based predictive models, achieving 92% accuracy in risk forecasting, proposed **risk management** strategies based on insights, resulting in a 30% reduction in accident rates.

Hospital Management System Data Analysis – [MySQL, Microsoft Excel, Tableau]

- Pioneered an efficient relational database for a hospital management system using **Entity-Relationship** modeling and **normalization** techniques, optimizing patient records, appointment scheduling, and resource allocation.
- Used multiple analytical functions in **MySQL** to analyze hospital performance metrics, including patient flow, bed occupancy rates, and department efficiency, deployed result in **Tableau** Dashboard using MySQL connector.

US Superstore Sales Performance Overview – [Power BI, DAX, Power Query]

- Analyzed Sales KPIs through creating **Power BI** report to identify underperforming product categories and high-value customers, leading to a 10% boost in overall sales through strategic inventory management.

TECHNICAL SKILLS

BI/ ETL Tools: Tableau, Power BI, Looker studio, Advanced Excel (VLOOKUP, Pivot Tables), Databricks, Airflow

Programming: Python (Pandas, NumPy, Scikit-Learn, Seaborn), R, C/C++, Java

Databases: MS SQL Server, PostgreSQL, AWS (Redshift, S3), NoSQL, Snowflake, Hadoop (HDFS, Hive), BigQuery

Statistics: Hypothesis Testing, A/B Testing, T-test, Chi-square, Regression, Time Series, ANOVA

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

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