

Pradnya Tipare

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A professional Data Analyst with 5+ years of experience designing and building data-driven solutions to optimize operations and support strategic decision-making leveraging **SQL development**, **data pipeline engineering**, and **dashboard creation** using **Power BI/Tableau**. Competent in collaborating with cross-functional teams to define KPIs, translate business needs into technical solutions, and deliver actionable insights across diverse industries.

TECHNICAL SKILLS

- **Languages:** SQL, PostgreSQL, SQL Server, Spark SQL, Scala, Python, VBA, Java, C, C++
- **Databases:** MySQL, Microsoft SQL Server, PostgreSQL, Oracle SQL, BigQuery, Cassandra
- **Cloud Technologies:** Amazon AWS, Microsoft Azure, Google Cloud, Snowflake
- **Data Visualization Tools:** Tableau, Power BI, Alteryx, Kibana, MS Excel, Google Data Studio
- **Big-Data Technologies:** Hadoop, HDFS, Apache Spark, dbt, Databricks, Yarn, Apache Kafka, Apache Airflow
- **Data Integration and other Tools:** PgAdmin, SQL Server Management Studio (SSMS), Smartsheets, Jira, GitHub

WORK EXPERIENCE

Questant, Inc – New Jersey
Data Analyst - Blackrock, Inc

June 2022 - Present
January 2023 - Present

- Developed an interactive **Power BI dashboard** for **project cost analysis**, incorporating **DAX calculations**, **navigation features**, and **geospatial visualizations** to support decision-making for project managers
- Engineered and optimized SQL Server data infrastructure for **cost data** collection and management, improving data accessibility and reducing query retrieval times by **30%**
- Transformed and migrated datasets from Excel to SQL Server, applying robust data cleaning and structuring processes to achieve **99% data integrity** and readiness for analysis
- Automated **ETL** tasks including currency conversion and tax calculations via **stored procedures**, **triggers**, and **SQL functions** reducing manual effort by 55% and enhancing data pipeline efficiency
- Deployed **Smartsheet** automation workflows and forms, streamlining data collection and collaboration across 5+ departments

Data Analyst Intern - Michigan Sugar Company

June 2022 - December 2023

- Created **Macros (VBA)** to automate 80% of repetitive data cleaning tasks, saving 10+ hours per week and improving data consistency
- Structured and implemented a **PostgreSQL** database hosted on **AWS RDS** to enhance querying of cost records, enhancing system performance by **33%**
- Performed **exploratory data analysis (EDA)** to uncover budget variance, forecast deviation, and change orders patterns supporting strategic planning decisions, contributing to **15% cost optimization** opportunities

Reliance Jio Infocomm Ltd – Mumbai, India
Data Engineer - Assistant Manager

June 2019 - August 2021

- Collaborated with product managers to define requirements, metrics, KPI's and built interactive **Tableau dashboard** to track customer retention, average watch time and top content, enabling real-time insights and reducing manual reporting by **45%**
- Designed an end-to-end real-time data pipeline processing 1.5TB+ of daily **customer and viewership data** by deploying **HDFS** and **Apache Spark**, incorporating **data mapping** and validation processes
- Formulated 20+ Spark jobs using **Scala and Spark SQL** for data cleaning, transformation, and integration into database
- Queried and consolidated **MySQL** data to generate 15+ actionable reports that drove product and engagement strategies.
- Spearheaded a data reporting project and mentored two junior analysts in SQL development, resulting in a 15% faster project delivery
- Built 10+ **Apache Airflow DAGs** to schedule, monitor, and manage **ETL workflows**, reducing dependency on manual **cron jobs** by **30%**

EDUCATION

Rutgers - The State University of New Jersey, Newark, NJ
Master of Science in Information Technology and Analytics

September 2021 - December 2022

University of Mumbai, Mumbai, India
Bachelor of Engineering, Computer Engineering

July 2015 - May 2019

ACADEMIC PROJECTS

OTT Content Analysis | Power BI Project

September 2022 - December 2022

- **Analyzed 4 OTT platforms** — Netflix, Amazon Prime, Disney+, and Hulu — to study the evolution of the streaming ecosystem by examining **genre distribution**, **content ratings**, and **content growth trends** over the years
- Investigated 10000+ content to generate insights for users regarding **platform strengths**, **content types**, and **subscription decisions**

8 Week SQL Challenge | MySQL Project

November 2022 - December 2022

- Solved 8 realistic end-to-end case studies across domains including Health, Finance, Marketing, Consumer goods and People analytics, simulating real-world data analytics work
- Extracted **30+** insights like sales performance, financial market trends and people operations using techniques CTE, Views, CASE WHEN

Tree Census in New York | Tableau Project

September 2021 - December 2021

- Derived insights about tree health conditions, common problems from a dataset of **6.8 million** street trees across New York City
- Mapped tree locations and health statuses with the help of geospatial visualizations, enabling health monitoring and issue tracking filtered by borough, neighborhood, and tree species solving the problems by 50%