

## Professional Summary

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Detail-oriented Data Analyst with 3+ years of experience driving business insights through advanced data mining, visualization (Tableau, Power BI), and robust ETL processes (SSIS). Expertise in data wrangling, integration, and transformation using SQL and Python to optimize data workflows and ensure data quality. Proven ability to collaborate with cross-functional teams to establish data governance standards, improve data consistency, and enhance decision-making processes. Skilled in maintaining data integrity and implementing best practices for efficient data management, analysis, and reporting. Proficient in a diverse range of database technologies, including relational databases such as MySQL and PostgreSQL, NoSQL databases like MongoDB, and cloud-based data warehouses like Snowflake.

## Experience

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### CitiGroup, MD

Aug 2024 – Present

#### Data Analyst

- Spearheaded data-driven decision-making by collaborating with cross-functional teams to develop effective data models, boosted data accessibility and analysis led to a 20% faster time-to-insight.
- Optimized data communication and stakeholder engagement by 15% by optimizing visualizations for clarity and impact through careful customization of colors, labels, and annotations using Matplotlib and Seaborn.
- Employed Amazon Redshift to design and optimize data warehouses, improving query performance by 40% and enhancing analytics capabilities for reporting teams.
- Generated data cleaning and data wrangling with NumPy, Pandas, and Datetime in Python to merge data, change the data type, remove duplication and null values, and check outliers.
- Utilized data exploration efficiency by 25% through the effective application of data manipulation techniques such as blending, joining, filtering, and aggregation to prepare data for analysis and visualization using Tableau.
- Designed and implemented machine learning models for predictive modeling, regression, classification, clustering, and time series analysis, addressing complex business challenges and providing actionable insights to drive strategic decision-making.
- Successfully extracted and cleaned terabytes of complex data from MySQL and Snowflake data warehouses, implementing rigorous data quality checks and transformations to ensure data accuracy and consistency. This optimization reduced analysis time by 20%.

### Dixon Technology, India

Jan 2020 – Dec 2022

#### Data Analyst

- Led the end-to-end development of interactive Power BI reports, employing advanced DAX and Power Query modeling techniques to uncover deep data insights and drive informed decision-making.
- Cooperated with business stakeholders to develop a data strategy aligned with the organization's long-term goals, driving data-driven innovation and business growth.
- Built real-time dashboards using QuickSight connected to AWS data sources, enabling 20% faster decision-making for stakeholders through actionable insights.
- Collaborated with stakeholders and the data governance team to establish and enforce data standards and naming conventions, ensuring compliance with data management policies and improving data consistency by 30% through the implementation of a company-wide data catalog.
- Improved data-driven decision-making by developing and maintaining a suite of 15+ KPIs. These insights enabled stakeholders to make informed decisions and drive business growth.
- Analyzed A/B test results using statistical methods such as t-tests and confidence intervals to identify statistically significant differences, enabling data-driven decisions that improved conversion rates by 15%.
- Established complex SQL queries to extract and transform data from various sources (relational databases, cloud storage) containing over a million records, resulting in a 25% reduction in data processing time.

## Skills & Certification

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- **Languages:** Python, R, SQL, NoSQL
- **IDEs:** Visual Studio Code, Jupyter Notebook
- **Machine Learning:** Naïve Bayes, Statistical Modeling, Time-series Regression, Predictive Analysis, Clustering
- **Visualizations:** Tableau, Power BI, Looker, Excel
- **ETL and Cloud:** SSIS, SSAS, Informatica Power Center, AWS (DynamoDB, S3, EC2, Redshift)
- **Packages:** NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, Keras, TensorFlow, Ggplot2
- **Database & Tools:** SQL Server, MySQL, PostgreSQL, MongoDB, Snowflake, Teradata, GitHub, Git
- **Data Skills:** Data Warehousing, Data Mining, Data Manipulation, Statistical Analysis, Data Modeling, Big Data Processing.
- **Certification:** Google Data Analytics Certificate

## Education

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### Masters in Data Science

University of Maryland Baltimore County, MD