Isabella C
Data Analyst

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SUMMARY

- Data Analyst with around 4 years of experience possesses a strong foundation in data analysis, statistical techniques, and data visualization.
- Good knowledge of Software Development Life Cycle (SDLC) and various methodologies such as Agile and Waterfall.
- Demonstrated expertise in relational databases, with a proven track record of creating complex queries and performing optimizations using SQL.
- Skilled in data manipulation, cleansing, and validation techniques to ensure data accuracy and reliability.
- Skilled in extracting, cleaning, and transforming large datasets from various sources using SQL, Excel, and Python to ensure data accuracy and integrity.
- Proficient in data visualization tools such as Tableau or Power BI to create compelling visualizations, dashboards, and reports.
- Proficient in analyzing complex datasets, identifying patterns, and extracting actionable insights to support business decision-making.
- Understanding of Data Warehousing concepts, Data Analysis, Data Warehouse Architecture, and Designing.
- Collaborates effectively with cross-functional teams to understand business requirements and translate them into data analysis tasks.
- Strong attention to detail, ability to manage multiple projects and meet deadlines, while maintaining data integrity and quality standards.

SKILLS

Languages:	Python, SQL, R
Methodology:	SDLC, Agile/, Waterfall
Packages:	NumPy, Pandas, Matplotlib, SciPy, ggplot2
Data Warehousing:	AWS, Big Query, Snowflake
Visualization Tools:	Tableau, Power BI, Microsoft Excel
Database Management:	My SQL, SQL Server
IDEs:	Visual Studio Code, PyCharm
Cloud Platforms:	AWS (Amazon Web Services), Azure, Google Cloud Platform
Other Skills:	Data Cleaning, Data Visualization and reporting, Statical Analysis, Data Governance, Data Wrangling, Data Modeling, Critical Thinking, Communication Skills, Presentation Skills, Problem-Solving
Operating System:	Windows, Linux

EXPERIENCE

Freddie Mac, TX | Jun 2022-Current | Data Analyst | Contract

- Involved in complete Agile Requirement Analysis, Development, System, and Integration Testing.
- Perform data analysis and reporting tasks, utilizing SQL, Python, and Excel for data manipulation and analysis.
- Migrating data to/from staging table in SQL from multiple data sources including Excel, CSV flat files, and other SQL servers.
- Developing Python script for processing large data sets and to extract data from different files.
- Designed and developed data pipelines and ETL processes to extract, transform, and load data into cloud-based data warehousing solutions such as Amazon Redshift and Google BigQuery.
- Collaborate with stakeholders to gather requirements and define project objectives. Participate in meetings.

and discussions to understand business problems and provide data-driven insights.
- Worked on database design and query optimization, as well as providing several periodic and custom reports, resulting in a 30% decrease in query execution time and improve database efficiency.
- Conduct ad-hoc data analysis requests and provide timely deliverables. Prioritize and manage multiple analytical tasks to meet project deadlines.
- Contribute to the development of data-driven strategies by providing insights and recommendations. Collaborate with team members to identify opportunities for leveraging data to drive business growth.

Birla Soft, India | Sep 2018-Aug 2021 | Data Analyst| Contract
- Used the Waterfall methodology to build the different phases of the Software Development Life Cycle.
- Analyzed and transformed data using various SQL functionalities using MySQL server to generate data extracts and reports.
- Conducted data analysis experiments, A/B testing, and statistical modeling to optimize business processes, improve customer experience, and increase operational efficiency.
- Stayed up to date with the latest cloud technologies, data analytics tools, and industry trends, and recommended innovative solutions to enhance data analytics capabilities.
- Developed data wrangling through data gathering and querying process over SQL and implemented data cleaning process with R and Python.
- Developed sales reports using the on-premises data on Microsoft Excel and Power BI.
- Utilized Power BI to create various analytical dashboards that help business users to get a quick insight into the data.
- Provided support to end users for production issues and built custom SQL scripts for business needs.
- Worked on data cleaning and reshaping, generated segmented subsets using NumPy, Pandas, matplotlib, and SciPy in Python, resulting in a 25% reduction in data errors.
- Continuously improve data analysis processes and methodologies. Stay abreast of emerging technologies and industry best practices to enhance efficiency and effectiveness.

EDUCATION

Master of Science in Artificial Intelligence - University of North Texas, Denton, Texas
Bachelor of Engineering in Computer science– Christ university, India