Siddarth S

Data Analyst

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PROFESSIONAL SUMMARY:

- 6+ years of experience as a Data Analyst, specializing in data analysis, report generation, and statistical analysis to drive informed business and financial decisions.
- Expertise in SQL, Power BI, Python, and advanced data analytics to generate, analyze, and communicate actionable insights supporting operational and financial decisions.
- Proven track record of designing, coding, and maintaining complex database systems to extract and analyze data, ensuring data accuracy and integrity for critical business operations.
- Experienced in developing automated reports, conducting detailed data analysis, and performing data validation to ensure accuracy in financial and operational reports.
- Proficient in training cross-functional teams, including managers and employees, on database programs and complex reporting tools to enhance operational efficiency and decision-making.
- Skilled in using Azure technologies like Azure Data Factory, Azure Synapse, and Azure SQL for data integration, migration, and cloud-based reporting.
- Experienced in developing real-time, interactive dashboards for vulnerability data and performance metrics.
- Skilled in data migration, ETL processes, and using cloud-based tools like Azure, AWS, and Google Cloud to manage large-scale data.
- Extensive experience in all phases of the Software Development Life Cycle (SDLC) and Agile methodology.
- Experience in transferring data from flat files, Excel spreadsheets, and heterogeneous data sources to SQL Server using DTS with large datasets.
- Experienced in developing and monitoring critical performance indicators to measure the effectiveness of strategic initiatives.
- Expertise in SQL Server Integration Services (SSIS) and SQL Server Reporting Services (SSRS).
- Experience working in Data Warehouse Design, including methodologies for ETL (Extraction, Transformation, Loading), Data Migration, Data Preparation, Data Validation, Data Profiling, Data Quality, and Graphical Presentation.
- Expertise in OLAP and OLTP systems, data warehouse development, system analysis, design, development, maintenance, and implementation.
- Experience in Data Analysis, Statistical Analysis, Reporting, and Documentation.

- Extensive experience working with Tableau Desktop, Tableau Server, and Tableau Online in various versions.
- Experience working with Agile Methodology and the SCRUM Process.
- Extensively worked on Jira for project management, issue tracking, and reporting.
- Extensive experience in performance tuning and query optimization for SQL-based queries and reports.
- Expertise in gathering requirements through sessions and interviews with end-users, translating those requirements into functional/system requirements, and preparing detailed specification documents.
- Extensive experience in creating UML diagrams using MS Visio, with a focus on Use Case diagrams.
- Strong ability to work independently or as part of a team to accomplish critical business objectives and make decisions under pressure.
- Excellent analytical, communication, interpersonal, and problem-solving skills.
- Ability to collaborate with cross-functional teams to deliver high-quality solutions in a timely manner.

TECHNICAL SKILLS:

Database Management: SQL Server, Oracle, DB2, Azure SQL, Relational Databases
Reporting & Analysis: Power BI, Tableau, SSRS, SAS, SQL-based Reporting, Visual Basic, Macros
Programming & Scripting: T-SQL, Python (Pandas, NumPy, Matplotlib), R
Cloud Platforms: Azure (Azure Data Factory, Synapse), AWS (EC2, Lambda, Redshift)
Data Tools: SSIS, SSRS, SQL Developer, Azure Data Factory, SQL Server Management Studio, Tableau, Excel
Reporting Automation: Expertise in automating reporting processes, **report generation**, and enhancing **data quality** through Python scripting and **ETL processes**.
Business Analysis & Reporting: Developed complex **reporting solutions** and **business models** to support financial, operational, and programmatic decision-making.

PROFESSIONAL EXPERIENCE:

FedPoint, Newington, New Hampshire | Jan 2024-Present
Role: Data Analyst

- Generated internal and external reports to support senior management in determining productivity and efficiency of various programs and operational processes.
- Revamped existing reporting frameworks and developed new reports aligned with evolving business methodologies, ensuring accuracy and quality in the analysis.
- Led data analysis efforts to track and verify all key reporting statistics, ensuring the correct interpretation of data for financial and operational decisions.

- Utilized SQL and Python (Pandas) to extract and analyze large datasets, ensuring data accuracy and supporting operational decision-making.
- Communicated and trained staff on the use of complex database systems to extract and analyze operational data, promoting a data-driven decision-making culture.
- Designed, coded, and maintained complex database programs to automate reporting processes, improving reporting efficiency and accuracy.
- Delivered actionable insights and reports to senior management, influencing key business decisions related to policy, strategy, and process optimization.
- Optimized data workflows using Azure Data Factory for seamless integration and data consolidation, streamlining the generation of real-time reports.
- Collaborated with IT teams to ensure data integrity and the development of actionable reports that address business needs.
- Enhanced visibility by developing custom Power BI reports that track and analyze vulnerability trends and performance metrics.
- Developed automated reports that track daily pending tasks across different team roles, ensuring workload is evenly distributed and critical issues are promptly addressed.
- Regularly tracked and analyzed department performance metrics to forecast future trends and recommend process improvements that enhance efficiency.
- Designed robust SQL queries and data pipelines that integrate information from multiple databases, ensuring consistency and completeness in reporting.
- Proposed and implemented innovative reporting tools that enhance visibility into claim progressions, operational risks, and care service trends, improving department-wide decision-making.
- Identified weaknesses in existing reporting processes, conduct research on potential solutions, and implement ETL optimizations to enhance data retrieval and accuracy.

Environment: SQL Developer, TOAD, PowerPoint, Excel, Data Loader, Excel, Mainframes, JIRA, Confluence, MS Word

University of Arkansas at Little Rock, Little Rock, Arkansas | Jan 2024 - May 2024
Role: Data Analyst

- Developed **predictive models** and interactive **dashboards** to analyze **state resource allocation** and program performance, influencing **financial and operational decisions**.
- Worked with **cross-functional teams** to generate **automated reports** using **SQL** and **SAS**, ensuring **accuracy** and **efficiency** in the reporting process.
- Conducted comprehensive **data analysis** and created interactive **visualizations** to track and present key performance metrics to stakeholders.
- Designed and maintained **ETL pipelines** for processing and integrating data, ensuring consistent and accurate data for **report generation**.
- Created interactive Tableau dashboards to provide insights into key metrics, enabling stakeholders to monitor program performance effectively.

- Documented end-to-end data workflows and methodologies using Jupyter Notebooks and Lucidchart, ensuring reproducibility and alignment with project goals.
- Collaborated with cross-functional teams to automate reporting workflows, integrating SAS and SQL-based tools, which increased efficiency.
- Supported grant-funded projects by building analytical models to measure program outcomes and providing actionable insights to funding bodies.

Environment: Windows, Linux. Power BI, Tableau, SAS Visual Analytics, Python (Pandas, scikit-learn), RStudio. Oracle, SQL Server, Netezza, Azure ML, GCP, Excel, SharePoint, SSIS.

Ivy Comptech, Hyderabad, India | Aug 2021 - Aug 2022
Role: Data Analyst

- Implemented and managed **automated reports** using **Power BI**, tracking key performance metrics and ensuring alignment with business needs.
- Worked extensively with **relational databases** and **SQL** to generate accurate reports on transactional and real-time data, ensuring data integrity for business decisions.
- Collaborated with IT teams to develop and optimize **data integration** and **ETL workflows**, supporting **data analysis** and reporting needs across various platforms.
- Worked on data projects related to online gaming platforms, supporting the migration, integration, and analysis of transactional data and real-time CRM data for Entain's leading gaming brands.
- Developed and managed Oracle and SQL Server-based systems for online gaming platforms, focusing on data migration, integration, and performance optimization.
- Created Power BI dashboards to track key performance metrics and customer engagement for online gaming platforms.
- Integrated Azure services (e.g., Azure SQL, Azure Synapse) to consolidate gaming and CRM data for reporting and analysis.
- Designed and implemented ETL pipelines to migrate and transform data from Oracle and SQL Server to centralized reporting platforms, ensuring high data integrity.
- Worked with cross-functional teams to develop real-time dashboards that provide insights into customer behavior and operational performance.
- Led the design of relational database schemas, including entity-relationship diagrams (ERDs) and table normalization, to ensure optimal data storage and performance.
- Worked closely with developers to build and deploy Oracle Forms and Reports for business intelligence and reporting purposes.
- Participated in the migration of data from various external systems into centralized databases, ensuring data quality and compliance with industry standards.
- Performed data mining and querying using SQL to extract insights from large volumes of structured and unstructured gaming data to support business intelligence efforts and strategic decision-making.
- Analyzed real-time customer engagement and transaction data to identify trends, recommend improvements to digital experiences, and support marketing initiatives, particularly around high-traffic events such as sports leagues and major tournaments.

Environment: SQL, T-SQL, SSIS, SSRS, MS Word, MS Excel, MS Access, DB2, Oracle10 &11g, Informatica 8.1,
SQL/Server, TOAD, CDOL, Python, Power BI, Python, MS-Office, ETL.

Amazon Development Center, Hyderabad, India | March 2017 - June 2021
Role: Data Analyst

- Developed and maintained Power BI dashboards and reports to support operational performance tracking, including e-commerce and logistics KPIs.
- Ensured data accuracy and quality by conducting extensive data validation and analyzing discrepancies prior to migration, ensuring reliable reporting.
- Led efforts to optimize reporting processes and automate data extraction, reducing report generation time and improving decision-making capabilities.
- Worked with cross-functional teams to deliver reporting solutions, training employees on complex database programs and analytical tools.
- Worked on multiple data-centric projects involving e-commerce, cloud services, and logistics, focusing on the migration, integration, and analysis of large datasets.
- Collaborated with business stakeholders and technical teams to gather requirements and develop detailed data transition documents for various business applications, ensuring smooth data migration and system integration.
- Performed preliminary data analysis to evaluate the accuracy and integrity of data, identifying any discrepancies or issues before migration or transformation.
- Conducted data profiling and ensured the data was meaningful and relevant by performing data validation, ensuring alignment with Amazon's business objectives.
- Utilized SQL and other querying techniques to perform data mining and extract key insights from large, complex datasets, supporting business intelligence and reporting efforts.
- Designed, implemented, and monitored ETL processes for data migration, replicating data from legacy systems and building new workflows to integrate data into Amazon's cloud infrastructure.
- Worked in close collaboration with software developers to design, implement, and support data transformation processes, ensuring high performance and data consistency.
- Extensively involved in data mapping, creating data dictionaries, and ensuring proper documentation of all business-critical data elements across various teams.
- Communicated data anomalies and insights to cross-functional teams, logging findings in JIRA for resolution and further analysis.

Environment: SQL Server 2014, SSMS, AWS, Erwin, Tableau, Excel, Confluence, SharePoint, SSIS.

EDUCATION:

Master of Science in **Computer Science**, **University of Arkansas at Little Rock |** August 2022 - May 2024