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**SUMMARY:**

Master’s degree holder in Data Science with an experience of around **6+** years at a capacity of Data Analyst analyzing product development, quality management and customer feedback related information. Expertise in using **SQL, R, Python, DBT, Power BI, Snowflake, MongoDB, Sybase, Tableau** tools for the purpose of **data preprocessing, data Manipulating** and **data analytics**. Strong in understanding business goals, connecting information to business objectives, analyzing data for **business insights** and strategizing plan of actions based on the insights. Well-versed in **data security and privacy regulations**, **data warehousing** concepts, and **data transformation** processes.

* As a Data Analyst, I possess extensive experience in collecting, analyzing, and interpreting complex data to inform business decisions.
* Proficient in using **Tableau** to create interactive **dashboards** and **reports** for **data visualization**, allowing for in-depth analysis of complex datasets.
* Experienced in **SQL** for querying, extracting, and transforming data from relational databases to generate valuable insights.
* Skilled in writing and optimizing complex **SQL** queries to retrieve specific data subsets, aggregating information for various business needs.
* Proficient at creating customized **Tableau visualizations**, including **bar charts**, **line graphs**, **scatter plots**, and **geographical maps** to represent data trends effectively.
* Proficiently manage and optimize **Snowflake data warehousing** solutions, ensuring scalability, performance, and security.
* Utilize advanced data modeling techniques in **Snowflake** to create a robust and efficient data architecture, ensuring data accuracy and reliability.
* Successfully managed large-scale **Sybase databases**, handling data storage, retrieval, and maintenance tasks.
* Collaborated with application developers to integrate **Sybase** databases into software applications, ensuring data consistency.
* Conduct regular data audits and quality checks to maintain data integrity within **Snowflake and CAPA Power BI reports.**
* Proficient in **MongoDB**, a leading **NoSQL** database management system.
* Extensive experience in designing and **modeling** data using **MongoDB's document**-**oriented** approach.
* Skilled in creating and managing **MongoDB collections**, **documents**, and **indexes**.
* Developed and maintained MongoDB **databases** for various applications, ensuring **data consistency** and **integrity**
* Expertise in creating source-to-target **data mappings**, **data modeling**, and **data analysis.**
* Proficient in **SQL**, with the ability to write complex queries to extract data in alignment with dynamic business requirements.
* Highly skilled in **data validation**, d**ata profiling,** and **metadata management**, ensuring **data quality and integrity.**
* Extensive experience in **data lineage analysis,** providing valuable insights for informed decision-making.
* **Cleaning and transforming raw data** to ensure that it is accurate, consistent, and ready for analysis. Ensuring **data accuracy** and consistency by monitoring **data quality** and identifying and addressing **data issues.**
* Transformed raw data from multiple sources into clean, **structured datasets,** utilizing **ETL processes** and **SQL** queries to load data into the **Snowflake** data warehouse.
* Collaborating seamlessly with diverse teams and adeptly conveying complex findings through exceptional **written** and **verbal communication**.

**Certification:**

**Certified MongoDB Associate Developer Python**

**Technical Skill Set:**

* **Data Engineering:** Advanced Data Mining, Data Wrangling, Data Validation, ETL pipeline management, Data Mapping, Data Quality
* **Descriptive Analytics:** Multivariate data analysis, Data visualization, Data uncertainty, Statistical analysis, Exploratory data analysis, Metrics, Data Evaluation, Anomaly detection, Dimensionality reduction, Hypothesis testing, A/B testing, statistical significance.
* **Predictive Analytics:** Supervised-unsupervised Machine Learning models, image recognition using Convolutional Neural Networks, and Natural Language Processing.
* **Programming Tools Expert**: R, Python, Power BI, AWS, Snowflake, Jerkins, Erwin, Airflow, Pycharm, GitHub, Tableau, ArcMap, ArcGIS, Excel, MS SQL Server 2008R2 and MS SQL Server 2016, TrackWise, SAP Crystal Reports 2008 & 2013, SAP, XML, Data Stage, Jira, Confluence, Workday, mParticle, Database Management Systems: Oracle, MySQL, PostgreSQL, Azure Synapse Cloud Platform.

**Professional Work Experience:**

**LEAF HOME** **Dec 2023 – Feb 2024**

**Data Analyst**

**Description:**

* Comprehensive data analysis initiatives utilizing Fact Qualifier Metrics, Source to Target Mapping, and DDL to identify trends, patterns, and anomalies within large datasets, resulting in actionable insights for strategic decision-making.
* Developed and implemented predictive models using Python and R to forecast sales trends, customer behavior, and market demand, contributing to increase in revenue and improvement in inventory management.
* Designed and maintained interactive dashboards incorporating FQMs and STTM to visualize key performance indicators and monitor business metrics in real-time, enabling timely and data-driven decision-making.
* Collaborated closely with cross-functional teams to define project requirements, gather and analyze data, and communicate findings and recommendations to stakeholders at all levels of the organization.
* Implemented DDL techniques to ensure data quality and consistency, resulting in a reduction in data errors and inaccuracies.
* Conducted advanced statistical analysis, including segmentation analysis and cohort analysis, to identify target customer segments and optimize marketing strategies, leading to increase in customer engagement and retention.
* Automated data cleaning and preprocessing tasks using SQL scripts, reducing manual effort and improving data accuracy and integrity.
* Presented findings and insights to executive leadership in clear and concise reports, facilitating understanding and alignment on strategic priorities and initiatives.
* Spearheaded requirement gathering sessions with stakeholders to elucidate business needs and translate them into technical specifications, ensuring alignment between data analysis efforts and organizational objectives.
* Developed comprehensive source-to-target mapping lines to delineate data flow and transformations, ensuring accuracy and consistency in data processing pipelines.
* Leveraged SQL queries to implement robust data quality checks and validations, resulting in a reduction in data errors and inaccuracies.
* Conducted exploratory data analysis to identify trends, patterns, and anomalies, contributing to data-driven insights.
* Supported the development of data visualizations and reports to communicate findings to internal teams.
* Created and maintained database documentation, including schema diagrams, entity-relationship models, and data dictionaries
* Administered Snowflake accounts, users, and roles, ensuring data security and access controls in compliance with industry standards.

**JM Family Enterprises** **Apr 2023– Nov 2023**

**Data Analyst**

**Description:**

* Collected and analyzed large datasets, transforming raw data into meaningful insights to support business objectives.
* Utilized SQL and Python to extract, clean, and preprocess data from various sources, ensuring data accuracy and quality.
* Collaborate with the Data Analytics team to create testing plans and execute them to deliver validated dashboards, ensuring data accuracy and reliability.
* Assist in data architecture and report architecture, identifying and addressing architecture inconsistencies.
* Gather business requirements for new deployment environments and provide valuable insights to support decision-making.
* Developed interactive dashboards and reports using Tableau, effectively communicating complex data findings to non-technical stakeholders.
* Supported data collection efforts and performed data validation to ensure accuracy and reliability for analysis.
* Assisted in creating data visualizations and reports using Power BI, helping teams understand key performance metrics.
* Expertise in data cleaning and quality assurance, ensuring accuracy and consistency in datasets before analysis, using both Tableau and SQL.
* Collaborated with application developers to integrate Sybase databases into software applications, ensuring data consistency.
* Conducted regular data backups and implemented disaster recovery strategies to safeguard data integrity.
* Monitored database performance and conducted troubleshooting to identify and resolve issues promptly.
* Experienced in managing database replication and clustering to ensure high availability and data redundancy.
* Demonstrated ability to identify and investigate suspicious patterns and anomalies in large datasets.
* Proficient in using advanced analytical tools and techniques to detect and prevent fraudulent activities.
* Skilled in data collection, data cleansing, and data visualization to support fraud detection efforts.
* Strong knowledge of data modeling concepts to identify trends and make predictions, with experience using both SQL and Tableau.
* Proven expertise in Tableau, capable of creating advanced visualization dashboards to meet and exceed business needs.
* Demonstrated expertise in performing CRUD (Create, Read, Update, Delete) operations with MongoDB documents.
* Implemented data replication and sharding strategies to ensure high availability and scalability of MongoDB databases.
* Strong knowledge of BSON data format and its advantages in representing complex data structures.

**Global Media & Entertainment, Glasgow, United Kingdom**   **Jan 2022 – Mar 2023**

**Data Analyst**

**Description:**

**Projects:** Customer Data Platform, Gplan, Audio on Demand, System’s, Fonix & Gplayer.

* Utilize Power BI, Tableau, R, and Python for data analysis and visualization, with a specialization in CAPA-related data.
* Determined project scope and prepared detailed requirements documents, ensuring that all impacted areas understood and accepted the scope and business requirements.
* Leveraged machine learning techniques to develop predictive models and uncover hidden patterns within the data, providing valuable insights for business strategies.
* Collaborated with cross-functional teams to define key performance indicators (KPIs) and develop custom reports, dashboards, and visualizations using SAP Business Intelligence tools.
* Conducted in-depth data analysis to identify trends, patterns, and insights, enabling informed decision-making and process optimization.
* Designed and developed interactive dashboards in Tableau and Power BI, showcasing actionable insights and facilitating data-driven decision-making.
* Collaborated with stakeholders to understand reporting requirements, ensuring the dashboards provide relevant and meaningful visualizations.
* Presented findings and insights to non-technical audiences, translating complex analyses into understandable insights to drive informed decisions.
* Managed data quality and data integrity initiatives, ensuring data accuracy and completeness throughout the data lifecycle.
* Stayed up-to-date with industry trends and best practices in data analysis, ETL processes, and machine learning to drive continuous improvement.
* Collaborated with HR stakeholders to identify key metrics and KPIs for reporting, contributing to more informed workforce planning and talent management strategies.
* Utilized the MongoDB Query Language to retrieve, filter, and aggregate data effectively.
* Proficient in the use of MongoDB drivers and libraries for various programming languages such as Python, Node.js, and Java.
* Created and managed user roles and permissions to ensure data security and access control.
* Conducted data migrations and data transformations using MongoDB, including ETL (Extract, Transform, Load) processes.
* Implemented geospatial indexing and queries for location-based data applications.
* Conducted data analysis to identify trends, patterns, and anomalies, facilitating data-driven decision-making across the organization..
* Conducted data archiving and purging strategies to manage database size and improve query performance.
* Developed automated monitoring and alerting systems to proactively identify and address database issues.
* Worked on Sybase database migrations and upgrades to keep systems current and leverage new features.
* Collaborated with database administrators to implement backup and recovery strategies for business continuity.
* Proficient in managing database performance by fine-tuning server parameters and optimizing resource allocation for Sybase databases.
* Proficient in using Sybase's system catalog tables to extract information about database objects and metadata.
* Knowledgeable in data warehousing and data mining techniques using Sybase databases for business intelligence.
* Expertise in data cleaning and quality assurance, ensuring accuracy and consistency in datasets before analysis, using both Tableau and SQL.
* Executed thorough data validation and profiling procedures, guaranteeing data integrity and quality.
* Managed metadata effectively, maintaining data governance standards and facilitating informed decision-making.
* Conducted comprehensive data lineage analysis, enabling stakeholders to trace data origins and dependencies, contributing to enhanced decision-making.
* Created complex SQL queries and optimized database performance to deliver timely and accurate data to stakeholders.
* Worked in Agile methodology, participating in sprint planning, daily stand-ups, and retrospectives, resulting in improved project efficiency and collaboration.

**Holy head Primary Healthcare Centre, United kingdom** **Jan 2021 – Dec 2021**  
**Data Analyst**

**Description:**

* Review data for technical gaps and collaborate with the Data Analytics team to resolve them.
* Designed and implemented visually stunning Tableau dashboards that provided actionable insights into customer behavior, leading to an increase in customer engagement.
* Utilized Tableau's interactive features to allow end-users to customize views and perform ad-hoc analyses, resulting in a reduction in reporting lead time.
* Collaborated with business stakeholders to identify key performance indicators (KPIs) and transform them into intuitive visualizations, enhancing strategic planning and alignment.
* Conduct comprehensive analysis of inventory data to optimize stock levels, reduce waste, and ensure timely availability of critical medical supplies.
* Collaborate with procurement and supply chain teams to forecast demand, track usage trends, and identify cost-saving opportunities.
* Developed custom scripts to handle complex data transformations, data cleansing, and enrichment tasks.
* Worked closely with database administrators and network engineers to establish secure and efficient connections between on-premises sources and Snowflake.
* Develop interactive dashboards using tools like Tableau to visualize inventory metrics, enabling stakeholders to make informed decisions.
* Implemented data migration and ETL (Extract, Transform, Load) processes to transfer data between Sybase and other systems.
* Implement data cleansing techniques to ensure data accuracy and consistency, improving overall inventory management processes.
* Successfully handled large volumes of data using MongoDB's capabilities for horizontal scaling and load balancing.
* Developed and optimized complex aggregation pipelines for data analysis and reporting.
* Collaborated with development teams to integrate MongoDB into applications and ensure efficient data retrieval.
* Proficient in handling MongoDB backup and restoration procedures, ensuring data recovery in case of failures.
* Diagnosed and resolved performance issues, optimizing query performance through indexing and query tuning.
* Created and optimized SQL queries for ad-hoc analysis and reporting, enabling data-driven decision-making.
* Developed and implemented data retention policies, ensuring data governance and regulatory compliance.
* Assisted in troubleshooting and resolving data-related issues, ensuring data accuracy and reliability.
* Created interactive and insightful dashboards using Power BI, providing stakeholders with real-time visibility into key performance metrics and trends.
* Developed data models to support business reporting and analytics needs, ensuring data consistency and accuracy across the organization.

**S&P Global, India Oct 2018 -Sep 2020**

**Data analyst**

**Description:**

* Expertise in data cleaning and quality assurance, ensuring accuracy and consistency in datasets before analysis, using both Tableau and SQL.
* Capable of merging and transforming data from diverse sources, enabling cross-functional teams to work with consolidated and comprehensive datasets.
* Strong knowledge of data modeling concepts to identify trends and make predictions, with experience using both SQL and Tableau.
* Data Governance initiatives by applying XML-specific data quality concepts, engaging in comprehensive data profiling, and ensuring compliance with data standards.
* Involved in ETL code using PL/SQL in order to meet requirements for Extract Transformation cleansing and Loading of data from source to target data structures.
* Created databases, Tables, Cluster/Non-Cluster Index, Constraints, Views, Stored Procedures, Triggers and functions.
* Skilled in data collection, data cleansing, and data visualization to support fraud detection efforts.
* Adept at developing and implementing data-driven strategies to minimize financial losses due to fraud.
* Collaborative team member, working closely with fraud investigators and law enforcement to mitigate card fraud.
* Leveraged in-depth Tableau knowledge to craft sophisticated visualization dashboards, empowering businesses with insights and analytics.
* Developed competence in Alation, utilizing it to understand and facilitate migration capabilities from IA & IGC.
* Applied deep knowledge of the Insurance domain to enrich data analysis and reporting, delivering domain-specific insights.
* Led daily stand-ups, customer requirement meetings, and offshore coordination with exceptional communication and leadership skills.
* Work with the Application development teams to deploy software releases in the Production and DR environments
* Involved in analyzing and evaluating existing applications, and designing and developing new and enhanced systems to support user needs.
* Developed, scheduled and deployed reports using PowerBI, Crystal Reports, SSRS and triggers to generate all daily, weekly, monthly and quarterly reports including status.
* Involved in managing database integration issues such as migration of data from various databases, integration, database maintenance, and new applications.
* Generated test data and tested database to meet the functionalities deliverables in the project documentation and specifications.

**Fact Set Systems, India**    **Jul 2017 to Sep 2018**

**Data Analyst**

**Description:**

* Using Tableau and OBIEE, developed Ad hoc, Daily and Weekly Sales Performance, Head Count and Growth Analysis reports which helped to improve revenue by 30% YoY.
* Collaborated with the offsite team to improve data quality. As part of reviewing them reports and processes, created data validation methods to easily identify errors and provided recommendations for resolutions to ensure optimal performance. Data Validation methods helped to improve the accuracy of data by 42%.
* Working on generating various dashboards in Oracle using different data sources such as Teradata, Oracle, Microsoft SQL Server.
* Developed Interactive Dashboards using dashboard prompts, landing pages, with multiple links, Guided navigations, Answer queries, and BI Publisher reports.
* Expertise in building and maintaining fraud detection models and algorithms.
* Proven track record of improving fraud detection accuracy and reducing false positives.
* Collaborative team player with excellent communication skills, able to convey complex findings to non-technical stakeholders.
* Utilized SQL queries to extract, transform, and load data from diverse sources, ensuring data accuracy and consistency.
* Assisted in the implementation of a data warehouse solution using Azure Synapse, optimizing data storage and retrieval for analytical purposes.
* Conducted data profiling and validation to identify data quality issues, leading to the improvement of data accuracy and reliability.
* Worked with cross-functional teams to gather requirements and design solutions based on Sybase databases.
* Maintained Sybase databases in compliance with regulatory and security standards, such as HIPAA or GDPR.
* Managed Sybase performance and scalability by optimizing indexing and partitioning strategies.
* Stayed updated with Sybase software updates, patches, and best practices to ensure database security and performance.
* Prepared detailed documentation of data mapping processes, data flows, and data dictionaries for reference by technical and non-technical stakeholders.
* Involved in creation and updates of several SQL Index, Views, Complex Stored Procedures, triggers and appropriate User defined functions.
* Involved in extraction, transformation and loading of data directly from different source systems like flat files, Excel, Oracle and SQL Server.
* Implemented row level security and user filter on the worksheet &amp; dashboard to restrict data access for user.

**Value Momentum, India**   **May 2016 to Jun 2017**

**Data Analyst**

**Description:**

* Proven track record in using Tableau Desktop to design interactive, user-friendly dashboards for executive presentations and data-driven decision-making.
* Familiar with advanced Tableau features such as parameters, sets, and calculated fields to enhance data visualization capabilities.
* Detail-oriented and highly organized, ensuring data integrity and accuracy in all analysis.
* Continuously staying updated on the latest fraud trends and mitigation strategies.
* Ability to work under pressure and adapt quickly to evolving fraud schemes.
* Committed to maintaining the highest ethical standards in fraud data analysis and ensuring compliance with industry regulations.
* Skilled in using SQL to establish and monitor key performance indicators (KPIs), resulting in improved business performance and decision-making.
* Expertise in utilizing historical transaction data to create predictive models for card fraud.
* Skilled in monitoring and investigating chargebacks, charge disputes, and other card-related fraud issues.
* Strong understanding of card network rules and regulations, ensuring compliance in fraud analytics efforts.
* Generating weekly and monthly reports of individual clients.
* Providing the efficiency Analysis through dashboards for all projects
* Proficient in utilizing Tableau Server for collaboration, allowing for easy sharing and access to interactive dashboards across the organization.
* Experienced in automating data extraction and reporting processes by scheduling SQL jobs, enhancing efficiency and reducing manual work.
* Skilled in creating calculated fields and measures in Tableau to perform advanced calculations and provide deeper insights into data.
* Familiar with connecting Tableau to various data sources, including databases, spreadsheets, and cloud services, ensuring adaptability to diverse data environments.
* Capable of troubleshooting and resolving SQL database performance issues to optimize query response times and maintain data integrity.
* Downgraded the Crystal Report application and Handled Change Request- configuration and bug fixing and testing.
* Executed the Release Notes and Deployment Request Form for Internal Audits.

**Education Details :**

* Master of Science in Data Science Newcastle University
* Bachelor of Technology in Computer Science and Engineering.