**Name: Adnan Munawar Khan**

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**Education:**

Master’s in **Data Analytics –** Indiana Wesleyan University **2023 - 2024**

Bachelor’s in **Business** and **Analytics** – Osmania University **2017 - 2020**

**Professional Experience:**

* **Data Analyst** with **4 years** of experience in **Data Modeling, Data Mining and Data Warehouse.**
* Developed **SSIS** packages to extract data from flat files and third-party APIs, transform it using business logic, and load it into **SQL** Server.
* Experienced in all phases of Software Development Life Cycle (SDLC). (Analysis, Requirements gathering, Designing) with expertise in documenting various requirement specifications, functional specifications, Test Plans, **SQL Joins.**
* Expertise in **Looker Studio, Google BigQuery,** and **GCP tools** for scalable data solutions.
* Hands-on experience in deploying dashboards, optimizing data pipelines, and integrating **Gemini AI** for generative insights.
* Extensive experience in designing and managing **Data Warehouses** and Data Marts on **RDBMS** platforms, with strong proficiency in Data Modeling, Metadata management, and Data Analysis to support cloud-based analytics and reporting solutions.
* Strong expertise in designing, developing, and implementing data marts and database structures using **Oracle** and **PL/SQL**. This includes creating stored procedures, functions, data warehouse tables, views, materialized views, and indexes to support efficient data storage and retrieval.
* Designed and executed scalable data pipelines in **Azure Databricks** using **PySpark** and **SQL**, processing large datasets from structured and semi-structured sources for advanced analytics.
* Collaborated with business stakeholders to model data using **Star/Snowflake** schemas, optimizing Fact and Dimension tables for intuitive, high-performance analytical queries.
* Proficient in integrating **Google Analytics** with other Google marketing platforms like Google Ads and Google Search Console for comprehensive data analysis.
* Experience in standardizing **Tableau** for shared service deployment.
* Have extensive knowledge in **Data flow modeling** and Object modeling, case analysis and functional decomposition analysis.
* Experienced in identifying entities, attributes, metrics, and relationships; also, assigning keys and optimizing the model.
* Extensive Data Warehousing experience using **Informatica as ETL tool on various data bases like Oracle, SQL Server, Teradata and MS Access.**
* Worked extensively in all stages of the Software Development Life Cycle (SDLC) and in Agile delivery environments.
* Team player who can also work alone with little direction, creative and effective, skilled in debugging, and driven to stay up to date with emerging technologies.
* Strong presentation and communication abilities, as well as solid experience interacting and collaborating with a range of stakeholders.

**Technical Skills:**

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| --- | --- |
| **Programming Languages** | Python, SQL, R, Shell, Bash, Power Shell |
| **Data Analysis and Management** | Data Analysis, Data Validation, Data Cleansing, Data Discrepancy Identification |
| **Analytical Tools** | Tableau Desktop/Server (2019.2,10/9.x/8.x/7.x), Google Analytics, Power BI, Looker Studio |
| **Data Modeling** | ER Studio, MS Visio |
| **ETL Tools** | Informatica, SSIS, Alteryx |
| **RDBMS and SQL** | Teradata, SQL Server, SQL Assistant, SQL, Google BigQuery, Azure Databricks |
| **Cloud** | Amazon Web Services (AWS), Azure, Gemini AI |
| **Bug Tracking Tools** | Bugzilla and JIRA |
| **Operating Systems** | Windows, Unix, Linux |

Professional Experience:

**Client: USAA (Remote), San Antonio, TX Dec 2024 – Till Date**

**Role: Data Analyst**

**Responsibilities:**

* Participated in requirement gathering session with business users and sponsors to understand and document the business requirements.
* Integrated **Azure Data Factory** with **Databricks** notebooks to orchestrate complex **ETL** workflows and improve data transformation reliability.
* Analyzed and visualized data using **SAS Enterprise Miner**, **SAS Enterprise Guide**, and **Tableau 9** to solve analysis problems.
* Used **SQL** scripts in Data Warehouse for data validation, cleansing, and feature extraction.
* Developed **SSIS** packages for exporting and importing data to **SQL** Server from various sources and destinations, as well as visualizing data to address analysis issues.
* Utilized all **Tableau** tools including Tableau Desktop, Tableau Server, Tableau Reader, and Tableau Public.
* Reporting to the manager once in a week by providing them detailed report and visualization over the lost or damaged packages using **Tableau** and **MS Excel**.
* Stayed updated with the latest **Python** libraries and technologies to continuously improve data analysis workflows.
* Performed data analysis and data profiling using complex **SQL** on various sources systems including **Oracle** and **Teradata**.
* Developed detailed **Source-to-Target (S2T)** mapping documents to guide ETL processes, ensuring accurate data transformation and integration across systems as part of comprehensive data analysis efforts.
* Participated in the **migration** of cleansed and validated data from the staging environment to the **integration** environment, ensuring data consistency, transformation accuracy, and readiness for downstream system testing and reporting.
* Generated financial business reports using **SAS** Business Intelligence tools (SAS/BI), and developed custom ad-hoc reports using **SAS Enterprise Guide** to support data-driven decision-making and respond to stakeholder requests.
* Assisted in querying and analyzing **SQL** database records to extract key insights that were featured in executive-level presentations and strategic decision-making.
* Utilized **Data visualization** tools to create accessible and user-friendly interfaces, enabling end-users to swiftly identify key themes within their data.
* Collaborated with team members to troubleshoot access issues and guide them in querying and analyzing **SQL** database information.
* Provided insights and recommendations based on **Google Analytics** data to inform digital marketing strategies.
* Built interactive dashboards in **Looker Studio** to visualize KPIs from **BigQuery** datasets, improving data transparency across departments.
* Integrated **BigQuery** into analytical workflows to process and query large datasets efficiently within the cloud environment.
* Explored and integrated **Gemini AI** features into data workflows, enabling natural language querying and summarization of complex data models using **Vertex AI**.

**Client: Jhonson & Jhonson July 2023 – Dec 2024**

**Role: Data Analyst**

**Responsibilities:**

* Partnered with cross-functional teams to design and implement **ETL** pipelines, consolidating data from disparate sources into **Azure** for efficient and scalable analytics.
* Utilized **BigQuery** within **GCP** to manage large-scale healthcare data for advanced analytical modeling.
* Created **Looker Studio** dashboards for executive reporting, using BigQuery as the primary data source.
* Designed and implemented **Data Lake** architectures to store and analyze large volumes of structured and unstructured data.
* Redesigned and optimized **ETL pipelines** by analyzing data flow and performance metrics, implemented file format upgrades (e.g., CSV to Parquet) and refactored transformation logic to improve processing speed and resource efficiency.
* Developed and maintained complex **SQL** queries to extract, transform, and load data from various sources into **MySQL** databases.
* Spearheaded **ETL** project design with **ER** diagrams for optimized data flow.
* Collaborated with cross-functional teams to integrate **Python** solutions into production systems.
* Analyzed and interpreted healthcare data on quality measures, Star ratings, and risk adjustment reports, providing actionable insights to enhance **Medicare value**-based programs.
* Developed **ETL** pipelines to extract, transform, and load data from diverse sources into target systems such as **Data Lakes** and **Data Warehouses**.
* Developed **data validation** processes to ensure the accuracy and completeness of patient-encountered data, identifying and rectifying discrepancies in patient demographics, clinical notes, and medication records.
* Utilized **Azure SQL** Data Warehouse or **Azure Synapse Analytics** for scalable analytics and reporting.
* Created dynamic and interactive healthcare dashboards using **Python** libraries like **Matplotlib**, **Seaborn**, and **Plotly** to visualize patient trends, clinical outcomes, and operational metrics.
* Integrated patient-encountered data from multiple sources such as Electronic Health Records, Health Information Systems, and wearable devices into centralized data warehouses using ETL tools and custom pipelines.
* Facilitated the creation of healthcare dashboards in **Power B**I by leveraging **Azure Data Factory** pipelines to curate data from multiple clinical and administrative sources.
* Integrated **Power BI** with other Microsoft tools such as **Excel**, **SharePoint**, and Teams for seamless data sharing and collaboration.
* Analyzed **Power BI** data models using DAX Studio to ensure optimal structure and relationships for efficient querying.
* Conducted data extraction, transformation, and loading processes using **Power Query** to prepare data for analysis.
* Developed and executed **SAS** programs for data cleaning, statistical modeling, and report generation, ensuring high accuracy and consistency in analytical deliverables.

**Client: Webkit24 May 2020 – June 2022**

**Role: Jr Data Analyst**

**Responsibilities:**

* Data profiling to cleanse the data in the data base and raise the data issues found.
* Diagnosed and resolved integration and data flow issues across current and future systems to ensure accurate and efficient handling of order-related data.
* Evaluated applications, records, and documents to gather information about eligibility and liability issues.
* Generated monthly trend analysis reports using incorporating statistical metrics (e.g., average admissions, growth rates) to support data-driven decisions in resource planning.
* Involved in **data mapping** and **data clean** up.
* Created reconciliation report for validating migrated data.
* Compiled and merged data from multiple sources, performed extensive cleaning to resolve missing values and inconsistencies, and transformed datasets to generate features for predictive modeling
* Assisted with new hire orientation and employee training.
* Data profiling to cleanse the data in the data base and raise the data issues found.
* Developed polished **visualizations** to share results of data analysis.
* Identified compliance issues that required follow-up and investigation.
* Worked with **Data matrix** creation for mapping the data with the business requirements.
* Provided assistance to internal and external auditors in compliance reviews.
* Reviewed and validated documentation for data privacy and security policies, ensuring compliance with GDPR.
* Data flow check with source to target mapping of the data.
* Met deadlines while maintaining high-quality deliverables.
* Participated in ongoing training to enhance own job skills and knowledge.
* Reviewed **PL/SQL** migration scripts.
* Involved in **Test case/data** preparation, execution and verification of the test results.
* Created **user guidance documentations**.
* Extracted, transformed and loaded the data into databases using **Base SAS**.