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**Location:** Boston, MA

**Kriti Shree**

**Data Analyst**

**SUMMARY**

* 3+ years of industry experience as a Data Analyst with a good understanding of Data warehousing, Data Modelling, Evaluating Data Sources, Translating Requirements into Specifications, Application Design.
* Experience working in all phases of the Software Development Life Cycle (SDLC) using methodologies like Waterfall and Agile.
* Good knowledge in a Python-based environment, along with data analytics, data wrangling, and Excel data extracts and Familiar with Pandas, NumPy, Matplotlib, Scikit- learn, and SciPy.
* Hands-on Experience in Developing and maintaining dashboards/reports using Tableau.
* Proficient in Creating Teradata objects including Volatile Table, Derived Table, Global Temporary Table, and Multiset Table as needed for retrieving data.
* knowledge and understanding of Data warehousing concepts: Star Schema, Snowflake Schema, Fact, and Dimension Tables.
* Good knowledge in data Extraction, Transformation, and Loading ETL using SQL Server Integration Services (SSIS).
* Involved in all the phases including data cleaning, data extraction, and data visualization with large data sets of structured and unstructured data, created ER diagrams and schema.
* Knowledge of data mapping, querying the source and target tables in the database using SQL for testing purposes.
* Good Knowledge of Designing dashboards reports that display key performance indicators (KPI), scorecards, and drill-down details.
* Ability to write and optimize diverse SQL queries, working knowledge of RDBMS like SQL Server, and MySQL.
* Good knowledge in Strategic development of a Data Warehouse and Performing Data Analysis and Data Mapping from an Operational Data Store to an Enterprise Data Warehouse.
* Knowledge in pulling the ad-hoc data and delivering data to the customers in different formats like excel, pivot tables, and flat files.
* Proficient in Data Transformation, Metadata, Data Dictionary, Data Loading, Modelling, and Performance Tuning.
* Good knowledge of Jira, and source control systems like Git.
* Considerable Experience in working on different Operating Systems like Windows and Linux.
* Good Interpersonal Skills, team-working attitude, takes initiative, and very proactive in solving problems and providing the best solutions.

**EDUCATION**

**Master of Science in Computer Science**

Indiana University, Bloomington, IN

**SKILLS**

SDLC, Agile, Waterfall, Python, pandas, NumPy, Matplotlib, SciPy, Scikit- learn, ETL, SSIS, SQL Server, SQL, MySQL, Tableau, KPI, Data Warehouse, Teradata, Star Schema, Snowflake Schema, Fact Table, Dimension Tables, Excel, Pivot tables, MS Office, Git, Jira, Windows, Linux

**EXPERIENCE**

**PNC Financial Services, IN | Aug 2019 - Current**

**Role: Data Analyst**

**Responsibilities:**

* Use Agile methodology throughout the project. Involved in weekly and daily bases release management.
* Clean data and processed third-party spending data into maneuverable deliverables within a specific format with Excel macros and python libraries such as NumPy, SciPy, Scikit- Learn, and Matplotlib.
* Imported the claims data into Python using Pandas libraries and performed various data analyses.
* Designed and deployed reports with Drill Down, Drill Through, and Dropdown menu option and Parameterized and Linked reports using Tableau.
* Created monthly and quarterly business monitoring reports by writing Teradata SQL queries includes System Calendars, Inner Joins and Outer Joins to retrieve data from multiple tables.
* Analyzing the data and performing ETL in setting up SSIS packages for data integration.
* Used Aggregations, Set Operators like Union, Minus, and Intersect, CASE Expressions, and String expressions to retrieve data in a required form from multiple tables.
* Data Warehousing principles like Fact Tables, Dimensional Tables, Dimensional Data Modelling - Star Schema, and Snow Flake Schema.
* Developed SQL Queries to fetch complex data from different tables in remote databases using joins, database links and Bulk collects.
* Create the Business metric KPI (Key Performance Indicator) to evaluate factors for different modules.
* Analyzed data using SQL and MS Excel to identify and monitor patterns in the transnational history data.
* Regularly track the Jira tool for internal issues and project development.
* Used version control tool like git.
* Used and maintained database in MS SQL Server to extract the data inputs from internal systems.

**Environment**: Agile, Python, NumPy, SciPy, Scikit- Learn, Matplotlib, ETL, SSIS, Tableau, Teradata, SQL, KPI, MS Excel, Jira, Git, MS SQL Server.

**Itinfolab Technologies, India | June 2016 - July 2018**

**Role: Data Analyst**

**Responsibilities:**

* Developed business process models in Waterfall to document existing and future business processes.
* Developed programs with manipulate arrays using Python libraries like NumPy and SciPy.
* Data wrangling to clean, transform, and reshape the data utilizing NumPy and Pandas library.
* Developed Python programs for manipulating the data reading from various Teradata and convert them as one CSV Files, update the Content in the database tables.
* Developed Tableau data visualization using Scatter Plots, Geographic Map, Pie Charts and Bar Charts, and Density Chart.
* Created Pie charts, horizontal bar plots, context filters, and labels on the data and aggregated them to suit the target requirements using tableau.
* Configured SSIS packages to incorporate slowly changing dimensions for tracking historical data.
* Worked on numerous ad-hoc data pulls for business analysis and monitoring by writing SQL scripts.
* Involved with Data Analysis primarily Identifying Data Sets, Source Data, Source MetaData, Data Definitions, and Data Formats.
* Generated graphs using MS Excel, Pivot tables, and creating presentations using PowerPoint.
* Understanding and performance of normalization, database creation, and indexing.
* Worked with data-sets of varying degrees of size and complexity including both structured and unstructured data.
* Created functions, triggers, views, and stored procedures using MySQL.
* Delivered data solutions in report/presentation format according to customer specifications and timelines.
* Analysis of functional and non-functional categorized data elements for data profiling and mapping from source to target data environment.

**Environment**: Waterfall, Python, NumPy, SciPy, Pandas, SSIS, Teradata, Tableau, SQL, MS Excel, Pivot tables, PowerPoint, MySQL.