

**NAMRATA SINGH**

**Experience**

**Progressive Corporation, NJ | May 2020 - Current**

**Data Analyst**

* Worked on an Agile Development Team to deliver regular updates to business team and project managers.
* Generated various capacity planning reports (graphical) using Python packages like NumPy, Matplotlib and SciPy.
* Designed rich data visualizations to model data into human-readable form Tableau.
* Imported the claims data into Python using Pandas libraries and performed various data analyses.
* Created Tableau Server landing page to give user quick access to their most recently accessed reports.
* Used Jupyter notebooks to automate data flow and Tableau to create dashboards with visualizations and relevant insights.
* Created action filters, parameters and calculated sets for preparing dashboards and worksheets in Tableau.
* Created SQL scripts and analyzed the data in MS Access/Excel and Worked on SQL script mapping.
* Used excel sheet, flat files, CSV files to generated Tableau ad hoc reports.
* Worked with version control systems like GIT.

**Adons Softech, India | Jan 2016 - Dec 2018**

**Data Analyst**

* Worked with Waterfall environment allowing teams to deliver project piece-by-piece and make rapid adjustments as needed.
* Worked on several python packages like NumPy, SciPy, Pandas and Matplotlib.
* Responsible for gathering report requirements, collecting data using SQL Script and creating Power BI Reports.
* Performed data mining on Claim’s data using very complex SQL queries and discovered claims pattern.
* Worked on dimensional modeling and maintained dimensions like Product, Customer, and Region as a part of Snowflake schema and loaded the data in the member fact tables.
* Collected the Plants Data in Excel sheets from different Regions around the World and combined them in Power BI to know the Loss and Profit of the Product.
* Implemented data analysis with various analytic tools, such as Jupiter Notebook and ggplot2.
* Used Data Analysis Expressions DAX to create custom calculations in PowerPivot for Microsoft Excel workbooks and Analysis Services tabular model projects.
* Designed, developed and implemented Power BI Dashboards, Scorecards & KPI Reports.
* Created SQL scripts and analyzed the data in MS Access/Excel and Worked on SQL and script mapping.

**SUMMARY**

* 4 years of total IT experience in data warehousing including analysis, design, and development of complex transformation and mappings.
* Good knowledge of Agile, Waterfall and Software Development Life Cycle (SDLC) Methodologies.
* Experience in Python-based environment, along with data analytics, data wrangling, and Excel data extracts and Familiar with Pandas, NumPy, Matplotlib, SciPy and ggplot.
* Good knowledge of Data Analysis, Data Validation, Data Cleansing, Data Verification and identifying data mismatch.
* Knowledge of performing data analysis on various IDE’s like Jupyter Notebook and PyCharm.
* Extensive knowledge of maintaining and managing Tableau and Power BI drove reports and dashboards.
* Proficiency in writing a SQL queries for various RDBMS such as SQL Server, and MySQL.
* Working knowledge of version control tools like Git.
* Good industry knowledge, analytical &problem-solving skills and ability to work well within a team as well as an individual.

**Methodologies:**

SDLC, Agile, Waterfall

**Programming Language:**

Python, R, SQL

**IDEs:**

Jupyter Notebook, PyCharm

**Python Packages:**

NumPy, Pandas, Matplotlib, SciPy, ggplot

**Visualization Tools:**

Tableau, Power BI

**Database:**

SQL Server, MS Access, MySQL

**Version control Tools:**

Git, MS Office

**Operating System:**

Windows, Linux

**CONTACT**

**SKILLS**

**EDUCATION**

DATA ANALYST

NJ

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**Master of Science in Information Technology**

Rutgers university, NJ