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Data Analyst

Himalay Modi

SUMMARY

- **3+ years** of Industry experience as a **Data Analyst** with Good understanding of **Business Requirements Gathering, Data warehousing, Data Modelling, Evaluating Data Sources, Translating Requirements** into **Specifications, Application Design.**
- Experience working in all phases of Software Development Life Cycle (**SDLC**) using **methodologies** like **Waterfall** and **Agile**.
- Knowledge in developing different **Statistical Analysis, Text Analytics, Data Mining solutions** to various business generating and problems data visualizations using **Python, R,** and **Tableau**.
- Good Knowledge in **Machine Learning, Data mining** with large data sets of **Structured and Unstructured data**, **Data Validation, Predictive modeling, Data Visualization**, **Web Scraping.**
- Good knowledge in a **Python-based environment**, along with **data analytics**, **data wrangling** and **Excel** data extracts and familiar with **Pandas, NumPy, Matplotlib** and **SciPy**.
- Understanding of **Data Warehousing** principles like **Fact Tables**, **Dimensional Tables**, **Dimensional Data Modelling** - **Star Schema** and **Snow Flake Schema**.
- Proficient in **creating filters, quick filters, data source filters global filters, context filters, user filters, actions** and **creating Dashboards** for key performance indicators (**KPI**).
- Good experience in Strategic development of a **Data Warehouse** and in Performing **Data Analysis** and Data Mapping from an Operational Data Store to an **Enterprise Data Warehouse.**
- Highly skilled in using visualization tools like **Tableau, Matplotlib** for creating dashboards.
- Experience in designing stunning visualizations using **Tableau** software and publishing and presenting dashboards, Storyline on web and desktop platforms.
- Ability to write and optimize diverse **SQL queries**, working knowledge of **RDBMS** like **SQL Server**, **MS Access** and **MySQL**.
- Performed **data analysis** and **data profiling** using complex **SQL** on various sources systems including **Oracle.**
- Good Interpersonal Skills, team-working attitude, takes initiatives and very proactive in solving problems and providing best solutions.

Skills

SDLC, Agile, Waterfall, Python, Pandas, NumPy, matplotlib, SciPy, Tableau, R, SQL, Oracle, MySQL, SQL Server, MS Access, KPI, Data warehouse, Predictive modeling**,** Web Scraping, Flake Schema, Star Schema, MS Office, Windows

Education

BSc Mathematics and Economics
Stony Brook University, NY

Experience

PNC Financial Services, NY | Jan 2020 – Current
Role: Data Analyst Responsibilities:

- Implemented and followed **Agile development methodology** within the cross functional team and acted as a liaison between the business user group and the technical team.
- Cleaned data and processed third party spending data into maneuverable deliverables within specific format with Excel macros and **python libraries** such as **NumPy, Pandas** and **Matplotlib.**
- Used **R** to generate regression models to provide **statistical forecasting**.
- Developed **Tableau data visualization** using **Scatter Plots, Geographic Map, Pie Charts** and **Bar Charts** and **Density Chart.**
- Generated comprehensive **analytical reports** by running **SQL queries** against current databases to conduct **data analysis.**
- Performed **Data analysis and Data profiling** using **complex SQL** on various sources systems including **Oracle** and **MS SQL Server**.
- Collaborated with vendors and business teams to identify and develop Key Performance Indicators (**KPI**) that assisted in creating KPIs with realistic targets that can easily be quantified and measured.
- Utilized advanced **Excel** functions (**Pivot tables** & **vlookup**) and **Python** for **data mining** and analysis purposes.
- **Data Warehousing** principles **like Fact Tables, Dimensional Tables, Dimensional Data Modelling - Star Schema** and **Snow Flake Schema**.
- Worked with **data investigation, discovery and mapping tools** to scan every single data record from many sources.

Prop technology, India | July 2017 - Dec 2019 (Remote Work)
Role: Data Analyst Responsibilities:

- Utilized the **Waterfall Methodology** of development for gathering **Requirements, Planning, Design,** and **Deployment.**
- Generating various capacity planning **reports** (graphical) using **Python packages** like **NumPy**, **matplotlib, SciPy.**
- Conducted **market analysis** in **R** and developed a visualization model using histograms, line graphs and maps in **Tableau** enabling better decision-making criteria for the business development team.
- Designed and deployed reports with **Drill Down, Drill Through** and **Dropdown menu option** and **Parameterized and Linked reports** using **Tableau**.
- Involved in **Data mapping specifications** to create and execute detailed system.
- Prepare the data rules spreadsheet using **MS Excel** that will be used to update allowed values, findings and profiling result.
- Create the Business metric **KPI** (**Key Performance Indicator**) to evaluate factors for different modules.
- Worked in importing and cleansing of data from various sources like **Oracle, flat files** onto **SQL Server** with high volume data.
- Involved in creating database objects like **tables, views, procedures, triggers,** functions using **SQL** to provide definition, structure and to maintain data efficiently.
- Worked extensively on **Data Profiling, Data cleansing, Data Mapping** and **Data Quality.**