**Nishil**

**Data Analyst**

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**Visa : Green Card**

**Professional Summary:**

* Data Analyst with **5 years** of experience in interpreting and Analyzing Data, in order to drive successful business solutions.
* Proficient knowledge in Statistics, mathematics and Analytics. Excellent knowledge in business operations and analytics tools for effective data Analytics.
* Extensive experience in Strategic development of a **Data Warehouse and in Performing Data Analysis and Data Mappings for operational Data Stores, Enterprise Data Warehouse, Data Marts, other databases.**
* Expertise in conceptual, logical and physical designing and development of Data Models, Data Normalization, OLTP and OLAP Database and Data Warehouse.
* Expertise in SQL in creating and using Views, User Defined Functions, Triggers, Indexes, Stored procedures involving joins, sub-queries from multiple tables and established relationships between the tables using primary and foreign key constraints.
* Hands on experience in Implementation of **Enterprise Business Intelligence solutions** using BI tools such as **Tableau**.
* Experience with **Data analysis** and **SQL** querying with **database integrations and data warehousing** for large financial organizations**.**
* Strong working experience with various python libraries such as NumPy, SciPy for mathematical calculations, Pandas for data preprocessing/wrangling.
* Strong knowledge of **SQL, stored procedures, data analysis and data validation using SQL.**
* Strong background in **Data Warehousing systems** proficient on designing and implementing**SQL queries**for **reporting / data validation** using**Oracle, SQL Server**and**DB2.**
* Have experience working in development of **ETL** program for supporting Data Extraction, transformations and loading.
* Experienced in designing reports using SQL Server Reporting Services (SSRS) and **Excel** Pivot table based on OLAP cubes.
* Extensive experience in creating and maintaining source to target **data mapping documents.**
* Documented **Traceability Matrices** based on defined business rules in Microsoft Excel.
* Strong documentation and analytical skills, strong problem-solving skills.
* Experienced in all facets of the Software Development Life Cycle using **Waterfall and Agile/Scrum** methodologies.
* **Facilitated weekly and monthly business review** meetings to keep SME’s, Stakeholders, product managers, executive staff and team members apprised of goals, project status, resolving issues and conflicts and preparing product demonstrations.
* **Solid business communication, and presentation skills**, written correspondence, web-based products, reports, **(project status reports, PowerPoint presentations, e-mails).**
* **Organized**, **goal-oriented, self-starter**, and **ability to master new technologies**, **manage multiple tasks** while following through from start to completion with limited supervision.
* Professional communication on multiple levels of technical understanding.
* Competent, confident and strategic decision maker organized with effective Time Management and Prioritizing skills in conflicting demands to execute business objectives.

**Technical Skills:**

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| **Programming Languages** | Python, SQL, R-language(familiar), JAVA |
| **Databases** | Oracle SQL, SQL server, DB2 |
| **Tools** | Tableau, Microsoft Excel, SSIS, Informatica |
| **Big Data Skills** | Hive, Cassandra, Spark, AWS (EC2, EMR), Hadoop |
| **Operating Systems** | Windows, Linux |
| **Python Libraries used** | Pandas, NumPy, SciPy, Matplotlib, Scikit-learn |

**Professional Experience:**

**Client: Crossroads Bank, Wabash, IN Mar 2019 – Till Date**

**Role: Data Analyst**

**Responsibilities:**

* Worked closely with stakeholders and subject matter experts to elicit and gather business data requirements.
* Used Pandas, NumPy, seaborn, SciPy, Matplotlib in Python for developing various machine learning algorithms and utilized machine learning algorithms such as linear regression, multivariate regression for data analysis.
* Developed a machine learning system that predicted purchase probability at a particular offer based on customer’s real time location data and past purchase behavior.
* Create business intelligence reports using Tableau as needed.
* Work with business analyst groups to ascertain their database reporting needs.
* Created database using PostgreSQL, wrote several queries to extract data from database.
* Wrote scripts in Python for extracting data from HTML file.
* Simultaneously, experience with connecting the databases from PostgreSQL to python.
* Tracked Velocity, Capacity, Burn Down Charts, and other metrics during iterations.
* Created Data flow diagrams.
* Using Python, automated a process to extract data and various document types from a website, save the documents to specified file path, and upload documents into an excel template.
* Performed data analysis and data profiling using SQL on various sources systems including Oracle and Teradata.
* Extensively used Star Schema methodologies in building and designing the logical data model into Dimensional Models.
* Maintain and enhance data model with changes and furnish with definitions, notes, reference values and check lists.
* Utilized Tableau (BI) reporting to create, test and validate various visualization, reports (ad-hoc), dashboards, and KPI’s.
* Worked with Users to develop Test cases for user acceptance testing.
* Drove User Acceptance Testing.
* Designed and published visually rich and intuitively interactive Tableau/Excel workbooks and dashboards for executive decision making.

**Client: Urban Outfitters, Philadelphia, PA Jul 2016 – Feb 2019**

**Role: Data Analyst**

**Responsibilities:**

* Work with users to identify the most appropriate source of record and profile the data required for sales and service.
* Document the complete process flow to describe program development, logic, testing, and implementation, application integration, coding.
* Involved in defining the business/transformation rules applied for sales and service data.
* Define the list codes and code conversions between the source systems and the data mart.
* Worked with internal architects and, assisting in the development of current and target state data architectures
* Worked with project team representatives to ensure that logical and physical ER/Studio data models were developed in line with corporate standards and guidelines
* Involved in defining the source to target data mappings, business rules, business and  data definitions
* Responsible for defining the key identifiers for each mapping/interface
* Responsible for defining the functional requirement documents for each source to target interface.
* Document, clarify, and communicate requests for change requests with the requestor and coordinate with the development and testing team.
* Involved in configuration management in the process of creating and maintaining an up-to-date record of all the components of the development efforts in coding and designing schemas
* Developed the financing reporting requirements by analyzing the existing business objects reports
* Interact with computer systems end-users and project business sponsors to determine, document, and obtain signoff on business requirements.
* Utilized Informatica toolset (Informatica Data Explorer, and Informatica Data Quality) to analyze legacy data for data profiling.
* Responsible in maintaining the Enterprise Metadata Library with any changes or updates
* Document data quality and traceability documents for each source interface
* Establish standards of procedures.
* Generate weekly and monthly asset inventory reports.
* Evaluated data profiling, cleansing, integration and extraction tools(e.g. Informatica)
* Coordinate with the business users in providing appropriate, effective and efficient way to design the new reporting needs based on the user with the existing functionality

**Company: FBC Tech Solutions - Gujarat, India Jul 2015 – May 2016**

**Role: Data Analyst**

**Responsibilities:**

* Provided decision-support to client in telecommunication industry , by exploring data, building reports and presenting findings on a daily basis
* Interpreted results of analyses, identified trends and issues (forecasting), and developed alternatives to support business objectives
* Interpreted data, analyzed results using statistical techniques and provided ongoing reports
* Worked closely with management to understand data platform changes and how they would impact site operations and analytics
* Acquired data from multiple data sources and maintain databases/data systems
* Located and defined new business/process improvement opportunities
* Translated business needs in order to build and design reporting solutions (metric management, dashboards, enterprise performance management)
* Applied data visualization, descriptive and summary statistical techniques for discovery and timely insights (data exploration, ad-hoc queries, and analysis)
* Proficient with MS Word/Excel/Access/SharePoint, SQL, Data Analysis, and Data Entry, Statistical Analysis using Python and SQL Databases