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**Krishna Dharmendra Vanvari**

**Data Analyst / Engineer**

**SUMMARY:**

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* I have 3+ years of experience in Data analysis, report generation, maintenance of business report processes, and data verification, and validations in phases of the software development life cycle (SDLC) using methodologies like agile.
* Good knowledge of python and R programming with various packages including NumPy, Pandas, SciPy, and Matplotlib.
* Knowledge of various reporting objects like Facts, Attributes, Hierarchies, Transformations, Filters, Prompts, Sets, and groups in Tableau.
* Knowledge of Creating action filters, parameters, and calculated sets for preparing dashboards and worksheets in Tableau.
* Knowledge of Normalization and De-Normalization techniques for OLAP systems in creating Database Objects like Tables, Constraints (Primary key, Foreign Key, Unique, Default), Indexes.
* Knowledge in creating and developing Power BI dashboards into a rich look.
* Proficient in creating filters, quick filters, data source filters global filters, context filters, user filters, actions, and creating Dashboards for key performance indicators (KPI).
* Knowledge of Data Analysis and Data validation by writing complex SQL queries using SQL against the SQL server, and MySQL database.
* Good knowledge of Data extraction, profiling, identifying data quality issues.
* Proficient in pulling the ad-hoc data and delivering data to the customers in different formats like excel, pivot tables, and flat files.
* Good Knowledge of Excel, Pivot Tables, VLOOKUP, and other advanced functions.
* Knowledge of tracking defects using bug tracking and version control tools like JIRA and Git.
* Advanced proficiency in MS office applications (Outlook, Word, Excel, PowerPoint, Visual Basic).
* Good Interpersonal Skills, team-working attitude, takes initiative, and very proactive in solving problems and providing the best solutions.

**EDUCATION:**

**Master of Information Technology and Analytics**

**Rutgers Business School, NJ | Aug 2019 - Dec 2020 | GPA: 3.58**

**Bachelor of Engineering in Computer Engineering**

**University of Mumbai, India | July 2015 - May 2018 | GPA: 3.2**

**SKILLS:**

|  |  |
| --- | --- |
| **Methodologies:** | SDLC, Agile |
| **Programming Language:** | R, Python |
| **Libraries:** | NumPy, SciPy, Pandas, Matplotlib |
| **Visualization Tools:** | Tableau, Power BI |
| **Data Modelling Tool:** | MySQL Workbench |
| **Database:** | SQL, PL/SQL, MySQL, MS SQL Server, MS Excel (VLOOKUP, Pivot tables, Concatenate, LEN, COUNTIFS) |
| **Other Tools:** | JIRA, KPI, OLAP, Git, MS Office |

**ACADEMIC PROJECTS:**

* **Capstone Project - Data science project on International Finance Reporting Standard (IFRS) – 17 frameworks using Python, SQL and Power BI.**
* **Multivariate analysis project on a survey by young people in R programming.**
* **Statistical analytics over time for YouTube using Tableau.**
* **Crime Data Analysis for Chicago city for Data Science Project using Python.**
* **IoT based Car Parking Automation using Android application.**

**PROFESSIONAL EXPERIENCE****:**

**Ismile Technologies | September 2020 – December 2020**

* **Data Scientist Intern**
* Designed the business requirement collection approach based on the project scope, assisted in creating Business Analysis plan using Agile methodology.
* Use Agile methodology throughout the project. Involved in weekly and daily bases release management.
* Programmed a utility in Python that used multiple packages like Pandas, NumPy, SciPy.
* Worked on data that was a combination of unstructured and structured data from multiple sources and automated the cleaning using Python scripts.
* Developed Tableau data visualization using Scatter Plots, Geographic Map, Pie Charts and Bar Charts, and Density Chart.
* Gathered data from various data sources and performed Data Cleaning using Python and used that data to build visualization in Tableau to create reports and dashboards for the team.

**Bristol-Myers Squibb, NJ | July 2020 – August 2020**

**Data Analyst**

* 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.
* Used of Python NumPy, SciPy, Pandas, Matplotlib packages to perform dataset manipulation, data mapping, data cleansing and feature engineering.
* Developed Tableau data visualization using Scatter Plots, Geographic Map, Pie Charts and Bar Charts, and Density Chart.
* Documented data content, data relationships and structure, and processes the data using Informatica Power Center Metadata Exchange.
* Developed Calculated Columns, Tables measures rewriting mostly from Excel reports & Developed KPIs Also, worked on and created time calculations.
* Worked with data modelers and assist them in verifying and validating the relationships between tables using Teradata SQL assistant.
* Develop and run ad hoc data queries from multiple database types to identify system of records, data inconsistencies, and data quality issues.
* Involved in various projects related to Data Modelling, System/Data Analysis, Design and Development for both OLTP and Data warehousing environments, Data Extraction, Data Cleansing, Data Profiling, Data Mining, Data Consolidation, and Data Quality for various business data feeds.

**White Media Solutions | January 2017 – July 2019**

* **Jr. Business Data Analyst | January 2017 – June 2018**
* **Business Data Analyst | June 2018 – July 2019**
* 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 & V-Lookup) and Python for data mining and analysis purposes.
* Generated comprehensive analytical reports by running SQL queries against current databases to conduct data analysis.
* Worked on PL/SQL programming Stored Procedures, Functions, Packages, and Triggers.
* Utilized Power BI to design multiple scorecards and dashboards to display information required by different departments and upper-level management.
* Wrote calculated columns, Measures query's using DAX in Power BI to show good data analysis techniques.
* Working knowledge of Excel and MS Access to dump the data and analysis based on business needs.
* Prepare the data rules spreadsheet using MS Excel that will be used to update allowed values, findings, and profiling results.
* Analyzed the requirements and their usage for different reporting purposes using Power BI.
* Designed and modelled data sets with Power BI desktop based on measure and dimension requested by customer(user) and dashboard needs.
* 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 MySQL onto SQL Server with high volume data.
* Used Jira for bug/issue tracking and project management purpose.
* Used version control system tools such as Git to manage the code repository.
* Analyzed business processes and identified opportunities to generate additional revenue.
* Monitored revenue streams and identified opportunities to increase profitability.

**PUBLICATIONS:**

**“IOT Based Car Parking Automation System”:** Published in IEEE journal. <https://ieeexplore.ieee.org/abstract/document/8537252>

**“Intelligent IOT based Car Parking using Android Application”:** Published in IJRASET <https://www.ijraset.com/fileserve.php?FID=16572>