**Vikas Choudary Dandamudi**

980-251-7707 | [vikdan252@gmail.com](mailto:vikdan252@gmail.com)

<https://www.linkedin.com/in/vikaschoudary/>

Sr. Data Analyst/Tableau/BI

**SUMMARY**

* Around 8 years of analytical experience working in various fields across multiple verticals interpreting and analyzing data in order to make an impact to the business
* Generated various marketing reports using BI tools like Tableau/Power BI by connecting to many data sources
* Experienced Analytics Professional with Data expertise in analytics and business intelligence
* Proficient in statistical analysis tools like SAS, R, Python and Tableau
* Knowledge in big data technologies like Hadoop, Hive and other big data technologies
* Statistical analysis using algorithms like regression, clustering, time series, decision trees, logistic regression etc
* Proficient in predictive modeling, financial analytics and sales forecasting
* Experience on various Software Development Life Cycles including Analysis, Design, Development and Testing
* Ability to adjust quickly to the new business Software Development Lifecycle Environment. Good team player and have strong ability to work under high stress environments
* Excellent problem solving and analytical skills with exceptional ability to learn and master new technologies efficiently

**TECHNICAL SKILLS/TOOLS**

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| --- | --- |
| **Data analysis** | Requirements Gathering | Machine Learning | Data Normalization | System Design | Data Architecture | Metadata and Reports | Source and Target system Analysis | Project Management |
| **Languages** | SQL, T-SQL, PL/SQL, SAS & UNIX, Python, R |
| **Database Systems** | Datorama, Databricks, Oracle 11g/10g/9i/8i, Microsoft SQL Server, MySQL, MS-Access, Teradata V14, Teradata, Snowflake, Netezza, AWS, Hadoop/Hive, Azure |
| **Others** | Crystal Reports 2008, MS Visio, Jira, GitHub, SharePoint, Toad, Tableau, Sisense, QlikView, AWS, Salesforce, Cloudera, Confluence |

**EDUCATION**

**University of North Carolina, Charlotte** **Jan 2015 - Aug 2016**

**Master’s in data science and Business Analytics (GPA 3.8)**

Relevant Courses: Business Intelligence and Analytics, Big Data, Visual Analytics, Database Systems, Machine Learning, Advanced BI, Natural Language Processing, Data Warehousing

**EXPERIENCE**

**Senior Data Analyst - Sally Beauty Holdings March 2021 - Present**

* Partnered with customers to learn their business and build valuable new reports, capture requirements and deliver new metrics and reports
* Assisted customers in their analysis and understanding of the reported information and its operational impact
* Locate and define new process improvement opportunities
* Track and support key initiatives through timely and accurate reporting
* Generated routine reports for distribution to various users in the organization as well as suppliers
* Worked extensively with Advance Analysis Actions, Calculations, Parameters, and Background images, Maps, Trend Lines and Statistics.
* Created Groups, Calculated fields, Parameters, Filters, Interactions etc to create detail level summary reports and dashboards using KPI's.
* Strong analytical skills with the ability to collect, organize, analyze, and disseminate significant amounts of information with attention to detail and accuracy
* Adept at queries, report writing and presenting findings
* Working in fast-paced, customer and deadline-driven environment with minimal supervision and demonstrate initiative and good judgment
* Evaluated the performance of Databricks environment by converting complex Redshift scripts to spark SQL as part of new technology adaption project.
* Built and published Tableau reports utilizing Data Blending, multi-level hierarchy, Table Calculations, Parameters, Graphs and Actions
* Possess the ability to manage multiple projects, adapt to changing priorities and demonstrate effective time-management skills to comply with project deadlines
* Knowledge on techniques and tools that promote effective analysis and the ability to determine the root cause of organizational problems and create alternative solutions that resolve the problems in the best interest of the business
* Knowledge of and ability to utilize tools, techniques and processes for gathering and reporting data in a particular department or division of a company
* Ability to prioritize and complete multiple tasks across many partners and scopes

**Tools Used:** Tableau, Google Analytics, Salesforce Marketing Cloud, Datorama, Databricks, SQL, Python, Snowflake, Oracle, JIRA, Confluence

**BI Data Analyst - Genius Business Solutions Inc. August 2018 – March 2021**

* Working in the Auto Finance area to transform the logic developed in SAP and Web Intelligence reports into Tableau.
* Built complex SQL scripts from scratch to bring in relevant metrics and aggregate the data before feeding BI tools
* Developed and maintained more than 20 reports in a span of 6 months. Also part of internal Tableau SME team to work on challenging requirements
* Communicate with internal clients to develop and translate a business requirement into an effective and insightful interactive analytical dashboard
* Structured the dashboard with a consistent layout with visuals at the top and corresponding Tabular data at the bottom for various analytical reports from multiple data sources by blending data on a single worksheet
* Created visually rich dashboards with bar graphs, scattered plots, geo maps, heat maps, crosstab with more than predefined limit of 16 columns
* Designed a dashboard with trend views, bullet charts to compare against a goal for associate performance and used parameters, sets, groups and calculations
* Combined the different views into a dashboard and published them to the Tableau server with a fixed refresh schedule
* Performance tuned the Dashboards to meet the SLA of less than five seconds of load/refresh on the Tableau server
* Provided ad-hoc support for the dashboard and views in the tableau production server
* Performed User acceptance testing with the business user and mentored them on how to slice and dice the data using different filters in the dashboard
* Collected, cleansed and provided analysis of structured data used for major business initiatives
* Participated in weekly meetings and reviews with internal stakeholders and business groups
* Perform Warranty and Reliability Analysis and Predictive modelling
* Responsible for delivering business insights from machine telematics data combined with various internal data streams
* Fronted the migration of analytics database from Redshift to Databricks and improved the system productivity by 30%.
* Provide analytics solutions for identifying patterns or trends related to reliability performance using telematics data. Work with cross functional teams to develop actionable high impact data analytic solutions
* Responsible for developing reliability models, reliability test plans, and analyzing reliability risks for future product programs cluster warranty claims by failure mode.
* Part hours Forecasting: Using survival analysis to predict the failure rate after x hours of usage of a part and use this model to map the demand of these parts at the dealer
* Failure Mode Classification: Use NLP (Natural Language Processing) and multi text classification to cluster warranty claims by failure mode.

**Tools Used:** ER Studio, SQL, PL/SQL, Oracle, Python, Hadoop, RStudio, Hive, Netezza, Snowflake, Snowflake, Databricks, Oracle, Teradata, Tableau, JIRA, Confluence

**Data Engineer, Ruha Technologies September 2017 – August 2018**

**(Procter & Gamble)**

* Involved in extracting and transforming of Data from Enterprise data warehousing
* Actively involved in communication with Business Analyst, user acceptance testers and BPM for requirements gathering. Engaged in performing various ad-hoc queries
* Handled importing data from various data sources, performed transformations using Hive, Map Reduce, and loaded data into HDFS
* Created Hive queries that helped analysts spot emerging trends by comparing fresh data with EDW reference tables and historical metrics and processed the data using HQL (like SQL) on top of Map-reduce
* Worked on database design, relational integrity constraints, OLAP, OLTP, Cubes and Normalization (3NF) and Denormalization of database
* Experience working with Hive data, extending the Hive library using custom UDF's to query data in non- standard formats
* Developed PL/SQL packages, stored procedures, functions, alerts for ensuring the warehouse data integrity checks and shell scripts to balance the data between source and target tables after each ETL process
* Understanding client’s information needs, business objectives, and market sectors and implementing appropriate data analysis strategies

**Tools Used:** ER Studio, Teradata13.1, SQL, PL/SQL, Oracle, Python, Tableau, Hadoop, Spark, Scala, Hive

**SQL Sampling Analyst, TEK Systems**  **October 2016 – August 2017**

(**Bank of America**)

* Worked as a part of Global Compliance team which test monitors the systems that acquire processes, reports and archives data from a worldwide network
* Conduct a time-sensitive, meticulous investigation and analysis of each instance of potential Anti-Money Laundering activity and/or suspicious financial activity across multiple jurisdictions and countries, utilizing a wide variety of research and analytical tools
* Assist in determining the effectiveness of existing technologies and processes in relation to the SQL Architecture, create necessary implementation/migration plans, and recommend new solutions as required
* Assist in leading the development and implementation of various strategic SQL Architecture initiatives around master data management, data quality, data management policies/standards, data governance, and metadata management
* Developed various python queries and pulled data from multiple data sources and used in different kinds of reporting
* Used python pandas NumPy and various other libraries for data analysis and loading tables in the database for analysis purposes
* Worked with complex SQL queries and developed reports using many different tables from python using Python-MySQL connector and MySQL dB package
* Performed Exploratory data analysis to track, report and monitor effectiveness of controls and in tracking, monitoring and escalation of risk related issues to management

**Tools used**: SQL, Python, Tableau, SAS, Power BI, Oracle, Teradata, Excel, Toad, AWS Cloud Tools

**Technical Analyst Intern, SERC Reliability Corporation June 2016 – August 2016**

* Worked on Federal Government Project-Outages and Risk Assessment Analysis which included data fields like Outages, Causes, Performance, Risks, etc
* Used Visual analytics to understand the relationships between variables
* Interpreted the findings at each step from business sense as well
* Reported the analytics results, insights and recommendations which helped the firm to take actions to avoid the outages and assess the Risks involved with outages

**Tools Used**: SQL, Tableau, SAS and Sisense

**Teaching Assistant, University of North Carolina at Charlotte Jan 2016 - June 2016**

Visual Analytics and Data Warehousing Course

* Participated in the assessment process using a variety of methods and techniques and provide effective timely and appropriate feedback to students to support their learning
* Mentored students along with Professor Atif Mohammed. (Tools used: Tableau, Excel, Sisense, R)

The course introduces students to broad classes of techniques and tools for analyzing and visualizing data at scale. It emphasized on how to combine computation and visualization to perform effective analysis. Students worked in small teams to complete a research project exploring novel approaches for interactive data & visual analytics

**VN Steel Industries Ltd., Data Analyst May 2014 - Jan 2015**

* Provided scheduled and ad hoc metrics reports with actionable recommendations
* Identified key performance indicators by capturing client's business at each client level
* Extensively used SAS, Tableau and R to analyze various attributes such as market trends and sales to provide a comprehensive recommendation for products pricing

Created Tableau dashboards for reporting and performed data analysis on daily, weekly, and monthly scheduled refresh of data based on business to ensure accurate and updated information and created Tableau dashboards for reporting recommendations, AZURE, POWER BI, ORACLE, TERADATA, PYTHON, RSTUDIO, DATA, ANALYTICS, HADOOP, HIVE, TABLEAU, BI,TABLEAU, SQL, DATABRICKS, AWS, AZURE, POWER BI, ORACLE, TERADATA, PYTHON, RSTUDIO, DATA, ANALYTICS, HADOOP, HIVE, TABLEAU, BI,TABLEAU, SQL, DATABRICKS, AWS, AZURE, POWER BI, ORACLE, TERADATA, PYTHON, RSTUDIO, DATA, ANALYTICS, HADOOP, HIVE, TABLEAU, BI,TABLEAU, SQL, DATABRICKS, AWS, AZURE, POWER BI, ORACLE, TERADATA, PYTHON, RSTUDIO, DATA, ANALYTICS, HADOOP, HIVE, TABLEAU, BI,TABLEAU, SQL, DATABRICKS, AWS, AZURE, POWER BI, ORACLE, TERADATA, PYTHON, RSTUDIO, DATA, ANALYTICS, HADOOP, HIVE, TABLEAU, BI,TABLEAU, SQL, DATABRICKS, AWS, AZURE, POWER BI, ORACLE, TERADATA, PYTHON, RSTUDIO, DATA, ANALYTICS, HADOOP, HIVE, TABLEAU, BI,TABLEAU, SQL, DATABRICKS, AWS, AZURE, POWER BI, ORACLE, TERADATA, PYTHON, RSTUDIO, DATA, ANALYTICS, HADOOP, HIVE, TABLEAU, BI,TABLEAU, SQL, DATABRICKS, AWS, AZURE, POWER BI, ORACLE, TERADATA, PYTHON, RSTUDIO, DATA, ANALYTICS, HADOOP, HIVE, TABLEAU, BI,TABLEAU, SQL, DATABRICKS, AWS, AZURE, POWER BI, ORACLE, TERADATA, PYTHON, RSTUDIO, DATA, ANALYTICS, HADOOP, HIVE, TABLEAU, BI,TABLEAU, SQL, DATABRICKS, AWS, AZURE, POWER BI, ORACLE, TERADATA, PYTHON, RSTUDIO, DATA, ANALYTICS, HADOOP, HIVE, TABLEAU, BI