**Srikanth R**

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**Data Analyst/Data Scientist**

• Above **6+ years** of professional experience as Data Analyst worked with large datasets of Structured and Unstructured data, Data Acquisition, Data Validation, Predictive modeling, Data Visualization.

• Experienced in using **R, Python, Tableau**, **Hadoop** and **Power BI** for data **integration**, data cleaning, data masking, data visualization, risk analysis and predictive analytics.

● Experience on large scale data processing platforms using **Big Data.**

• Participated actively in all phases of **SDLC** including Requirement Gathering, Designing Data Models, Development, Testing, Go live and Post Go Live Support.

• Experience with various databases like **Oracle, SQL Server, Teradata and DB2**.

•Strong Experience **with SQL server design** and **development**.

• Strong experience in **Data Analysis, Data Profiling, Data Cleansing & Quality, Data Migration, Data Integration** using **SSIS, SSAS and Python**

•Used **DAX** formulas and language in **Power BI** and **SSAS**.

• Experienced with **AWS, EC2, Redshift** to push data to cloud**.**

• Extensive experience in Stored **Procedures, Triggers, Functions, Cursors, Views, Materialize Views and Analytical Functions.**

• Good experience in **SSIS packages** to load the data from Text File to staging server and then from staging server to **Data warehouse**.

• Involved in **SSIS packages** to extract data from different sources like **SQL server 2008**, **MS Excel, MS Access, transform** and then load into Dimension and Fact tables in **Data Warehouse using SSIS**.

• Created **SQL queries** to validate **Data transformation** and **ETL Loading**.

• Experience in metadata clean-up and processing at regular intervals for better quality of data.

• Good knowledge on **Pivot Table reports in Microsoft Excel**.

• Good understanding of **Relational Database Design, OLAP concepts and methodologies.**

•Excellent knowledge on **Hadoop Architecture** and ecosystems such as **HDFS**, Name

Node, Data Node, YARN, Map Reduce, **Spark, HBase, Hive, Pig**.

**Soft skills:** Good communication skills both verbal and written, Multi-tasking, Problem Solving, Collaborative, Independent and time management.

**Education:**

* Bachelor of Technology, Anna University, Chennai.
* Master of Science, University of Southern Mississippi, Hattiesburg.

**Technical Skills:**

**Languages:** R, Python, C, MATLAB, Java.

**Software Packages:** NumPy, Pandas, TensorFlow, Matplotlib, ggplot2, skit-learn

**ETL Tools**: Oracle Warehouse Builder (OWB), Informatica, SAS, SSIS

**Reporting Tools**: SSRS, Cognos, QlikView, Business Objects, Tableau, Power BI.

**Operating Systems:** Windows NT 4.0, Windows 98/2000/XP, Windows 7, 8, 10, UNIX

**Databases:** ORACLE, SQL Server, T-SQL, My SQL, MS Access, AWS-EC2, Redshift, DB2 and Teradata

**Tools & Utilities**: MS Office, MS Visio, TOAD, SQL Profiler, Hadoop.

**Cloud**: AWS, Azure, Redshift

**Work Experience**

**Independence Blue Cross (IBC), Philadelphia, PA Feb2019 to Present**

**DDM Data Analyst (SQL, SQL server, Teradata, DDM)**

**Description:** Independence is the largest [health insurer](https://en.wikipedia.org/wiki/Health_insurance_in_the_United_States) in the Philadelphia area, serving more than two million people [in the region](https://en.wikipedia.org/wiki/Delaware_Valley) and seven million nationwide.

* Effectively used **SQL Server** in managing data, tables, jobs, SP and functions.
* Worked on extraction and transformations on **PHI/PII** data securely.
* Have done encryptions and decryptions for the **PHI/PII** data.
* Processed data in Tera **Data**.
* Designed and Developed data models in **Power BI** for enterprise solutions.
* Worked with **AWS Redshift** pushing data to cloud and making data available enterprise wide.
* Quickly jumped on to the requirements and delivered work times within the stipulated time
* Plans, leads, designs, coordinates, analyzes and directs BI project(s).
* **SQL Server Integration Services (SSIS)** and SQL Server T-SQL stored procedures within
* SQL Server 2016 environment.
* Responsible for modeling and implementing a Data Masking to server the data needs of biologists.
* Responsible for writing queries in T-SQL, implementing views and stored procedures to support the various BI report requirements.
* Have strong knowledge on **healthcare domain**.
* Used Normalization and Denormalization techniques for both **OLTP and OLAP** systems in

Creating Database Objects like tables, Constraints

* Used advanced Microsoft Excel functions such as pivot tables and **VLOOKUP** to analyze the

Data.

* Various statistical tests performed for clear understanding to DB owners.
* Complete support to all regions (Test/Model/System/Regression/Production).
* Actively involved in Analysis, Development, and Unit testing of the data.
* As a Data Management Professional at Enterprise Level worked with wide variety of tools like SSIS, DTS, SSRS, SSAS, Tableau, AWS Redshift, and Python.
* Have knowledge on **Big Data Hadoop, hive, Spark**.
* Developed ETL pipelines in Python.
* Used Python for some **Data Analysis.**

**Homesite Insurance, Akron, OH Jan 2017 to Feb 2019**

**Data Analyst (Python, R, SQL, Big Data, Tableau)**

**Description**: Homesite Insurance is Insurance tech company implementing latest trends and technologies to make insurance industry more efficient and easier.

**Responsibilities**:

● Designed an Industry standard data Model specific to the company with group **insurance offerings**, translated the business requirements into detailed production level using **Workflow Diagrams,** **Sequence Diagrams, Activity Diagrams and Use Case Modeling.**

● Determine customer satisfaction and help enhance customer experience using **NLP**.

● Work on **Text Analytics, Naive Bayes, Sentiment analysis, creating word clouds and retrieving data** from Twitter and other social networking platforms using **Python, Tableau, R and power BI.**

● A team member of Analytical Group and assisted in designing and development of statistical models for the **end clients.** Coordinated with end users for designing and implementation of **e-commerce analytics solutions as per project proposals**.

● Conducted market research on property insurance trends; developed and designed sampling methodologies and analyzed the survey data for pricing and availability of clients' products. Investigated product feasibility by performing analyses that include market sizing, competitive analysis and positioning using **Python, R and Power BI.**

● Successfully optimized codes in **Python** to solve a variety of purposes in **data mining and machine learning in Python.**

● Facilitated stakeholder meetings and sprint reviews to drive project completion.

● Project experience in **Data mining, segmentation analysis, business forecasting and association rule mining** using Large Data Sets with **Machine Learning.**

● Have used **Bigdata** with **Scala** to expand traditional data sets with social media data, browser logs as well as text analytics and sensor data to get a more complete picture of customers.

● Involved in Data governance and Data Security across Enterprise level.

● Worked with **AWS** **Redshift** pushing data to **cloud** and making data available enterprise wide.

● Worked on End to End **Data** **Warehouse SQL server design and development** solution for **Complex Claim Integration Project**.

● Efficiently used **ETL** in various stages of **Data Warehousing.**

●Design data **ingestion** and **integration** process using **SQOOP, Shell Scripts &amp; Pig,**

with **Hive**.

● Performing Mapreduce jobs in Hadoop and implemented **Spark analysis** using

Python. Develop data collection/consolidation pipelines for capturing all Claim and Vendor

data using Flume/Sqoop and land data in **HDFS**.

● Designed and Developed **Table Work Sheets and Dashboards in Tableau.**

● Efficiently trained Report Users to use **Tableau** to create their Dashboards from pre-defined Work

Sheets.

**Health edge -Powell, OH May 2016 - Jan 2017**

**Data Analyst**

**Description:** Health Edge is a cutting-edge software company focused on providing **next-generation core administration and care coordination** for **transformative health plans**.

**Responsibilities:**

● Responsible for the study of **SQL Queries, Analysis enhancements and documentation** of the system.

● Used **R, Python** and **SQL** to manipulate data and develop and validate quantitative models.

● Performed Analysis and Interpretation of the reports on various findings **using R, Python, SSAS, Tableau and SQL**.

● Efficiently Migrated packages from **DTS to SSIS**.

● Responsible for Developing, Monitoring and **Deploying SSIS packages**.

● Implemented **Batch Logging, Error Logging** for the **SSIS packages**.

● Parameterized Reports and Report Models using SQL Server Reporting Services (**SSRS**) based on

client requirement.

● Developed data models in **Power BI** for enterprise solutions.

● Designed a **Work Sheets and Dash Boards in Tableau.**

● Have exposure to **AWS, EC2, RedShift**.

● Used **Normalization and De-Normalization** techniques for both **OLTP and OLAP** systems in creating Database Objects like tables, Constraints

● Used **advanced Microsoft Excel** functions such as **pivot tables** and **VLOOKUP** to analyze the data.

● Developed some data pipelines using **Python** for new line of business.

● Various statistical tests performed for clear understanding to the client.

● Implemented procedures for extracting Excel sheet data into the mainframe environment by connecting to the **Oracle** **database** using **SQL**.

● Complete support to all regions (Test/Model/System/Regression/Production).

● Actively involved in Analysis, Development, and Unit testing of the data.

**Intergraph - Hyderabad, Telangana May 2012 to December 2015**

**SQL developer/Data Analyst**

**Description:** Intergraph is the leading global provider of engineering and geospatial software that enables customers to build and operate more efficient plants and ships, create intelligent maps, and protect critical infrastructure and millions of people around the world. Intergraph is part of Hexagon.

**Responsibilities:**

• Responsible for the study of **SAS Code, SQL Queries, Analysis enhancements and documentation** of the system.

• Used **Python, R, SAS, and SQL** to manipulate data, and develop and validate quantitative models.

• Brainstorming sessions and propose hypothesis, approaches, and techniques.

• Analyzed data collected in stores (JCL jobs, stored-procedures, and queries) and provided reports to the Business team by storing the data in **excel/SPSS/SAS file.**

• Performed **Analysis and Interpretation** of the reports on various findings.

• Responsible for production support Abend Resolution and other production support activities and comparing the seasonal trends based on the data by **Excel**.

•Used **Tableau** for **creating** **dashboards**.

• Used advanced Microsoft **Excel** functions such as **pivot** **tables** and **VLOOKUP** to analyze the data.

• Successfully implemented migration of client's requirement application from Test/DSS/Model regions to production.

• Prepared **SQL scripts** for **Oracle** and **Teradata** **servers** for analysis and modeling.

• Provided complete assistance of the trends of the **financial time series data**.

• Various statistical tests performed for clear understanding to the client.

• Implemented procedures for extracting **Excel** sheet data into the mainframe environment by connecting to the database using **SQL**.

• Complete support to all regions (Test/Model/System/Regression/Production).

• Actively involved in Analysis, Development, and Unit testing of the data.