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| **K C KRISHNA SAI** |

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**CAREER OBJECTIVE**

Experienced IT professional with overall **Six years of expertise in Analytics and Data Science**. Proven skills in qualitative and quantitative analysis, problem solving, ETL processing, RDBMS data migration Testing, Business Intelligence visualizations, strong analytical/statistical modelling, good understanding of SDLC, SAFE Agile, manipulating and mining large datasets, ad-hoc analyses, meeting deliverables by multi-tasking, excellent technical writing, verbal and presentation skills.

**TECHNICAL SKILLS**

**Programming**: R, SQL, PL/SQL, HiveQL, NoSQL, Python, SPSS, C/C++, MATLAB, VBA

**Software Tools**: R Studio, SQL Server, Teradata, Informatica, IBM DataStage, Google Analytics, Tableau, SSIS/SSRS

**Applications:** Visio, Jira, V Tiger CRM, .NET, Banner ERP, MS Office (Excel-Advanced, Power BI, SharePoint, Access, etc.)

**PROFESSIONAL EXPERIENCE**

***Data Migration Developer*, Connecticut Department of Labor, Hartford, CT October 2019 – Present**

**Project: Unemployment Insurance Modernization (Consortium of MS, ME, RI, CT)**

* + - Created and delivered documentations like data migration strategy, data bridging solution, data mapping, data profiling and cleansing reports, data validation and data verification scenarios and reports etc.
		- Conducted data mapping session with client, finalize transformation rules and create ETL design documents.
		- Developed ETL program with Informatica to extract data from source e.g. Flat files, VSAM files, DB2, Excel and XML.
		- Used DataStage to apply transformation logic to migrate legacy data from the staging area in to the Final DM DB.
		- Finalized standard of ETL jobs to ensure performance and quality and provided guidance to the ETL developers.
		- Tested ETL programs and perform rejection analysis by writing SQL Queries in DB2.
		- Developed Unix Scripts and Python scripts to automate data profiling, data validations in staging area and in the cloud.
		- Involved in conducting the review of ETL Code, Unit Test Cases & Results with the Developers
		- Involved in detailed technical design and provide KT to the QA team.
		- Create & publish the daily and weekly progress reports of the Data Migration Project
		- Coordinate and communicate with functional/business leads, test leads, and developers across different locations
		- Analyze and provide mitigation plan for identified risks and issues.
		- Experience in leading the ETL team and helping management with resource planning, effort estimation, status reporting, task planning and assignment etc.
		- Break up the work into task list and estimate based on simple, medium and complex methodology to help management in resource planning and effort estimation.
		- Divide stories in to tasks, create Jazz task, assign to team members and track daily progress.

***Data Analyst/Modeler*, Kroger Technology, Cincinnati, OH September 2018 – September 2019**

**Projects: Customer Experience Platform & Merchandising**

* + - Serve as a Data Analyst/Modeler across Merchandising and Customer Experience Platform (CXP) Agile Release Trains working on projects of establishing an enterprise data warehouse for multiple customer communication channels, for further analysis with data science algorithms for next gen marketing.
		- Involved with querying the Prod and Stage Databases using Teradata, Aginity Amp, Netezza and SSMS v 18.x to create Data Marts for performing Exploratory and Inferential statistics.
		- Work closely with stakeholders and management from Kroger Technology and 8451 (Data Science subsidiary of Kroger) to gather requirements, identify process implementation and evaluate MDM process related issues.
		- Explored existing Cassandra NoSQL rings to understand the structure and get familiarized with non-relational Databases on an enterprise scale for potential future migration.
		- Performed Data mapping and modelling using Erwin and Visio for ETL. Involved with writing technical ETL documentation for DB migration from MS Access to SQL server.
		- Analyze and understand VBA, .Net scripts used in the MS Access forms to understand the functionality and document the process flow.
		- Responsible for Designing Logical and Physical data modelling for various data sources on Redshift
		- Designed and Developed ETL jobs to extract data from oracle and load it in data mart in Redshift.
		- Coordinated with the Little Clinic subsidiary of Kroger to provide healthcare data insights on the patient data, claim adjudication, benefits and claims information available in EDI 837 transaction sets.
		- Involved in performing end-end manual testing of Planogram and Floorplan changes across multiple downstream systems using SQL and Informatica Data Quality for data integrity; and track requirements in JIRA and Confluence.
		- Extensively used Tableau Desktop and Advanced Excel to create BI visualizations for ad-hoc requirements.

***Database Analyst*, American Association of Osteopathic Medicine, Bethesda, MD Feb 2018 – August 2018**

**Project: AMA AACOM ACE Project**

* + - Serve as a Database Analyst within the Research Department, involved in consolidating reports by analyzing external and internal data, perform ETL, data modelling, statistical modelling on AACOMAS and AAMC MCAT data sets.
		- Analyze the data set for trend/pattern analysis to find the correlation between fields, to conduct root cause analysis.
		- Act as a data steward for key AACOM data sets to collect, maintain and report the data in compliance with AACOM, applicable federal, master data management, IRB policies and procedures.
		- Gather business requirements, analyze data/workflows and develop complex nested SQL subqueries for extensive data quality checks on outbound files and inbound files, data migration, analysis, and validation.
		- Involved in data profiling and cleansing and provide input to resolve data limitation and constraint issues.
		- Review client information from various data sources to validate data integrity issues and ensure preservation of the most accurate records for migration into one consolidated Access DB.
		- Summarize data sets by respective fields and utilize data visualization charts such as Tree maps, Geo maps and Pivot charts to present the analysis and results.

**Project: Touch Database, AOA AACOM**

* + - Serve as a Database Analyst and develop complex data extracts, applications, and ad-hoc queries as requested by internal and external customers using SSMS, SSIS and Excel.
		- Troubleshoot data issues impacting extract delivery and perform data profiling and analysis on client data.
		- Work closely with stakeholders to understand requirements regarding solutions, ensure data quality and match-back to online touch results used by Com’s.
		- Explore existing data repositories to explore the existing architecture created by third-party vendor and leverage the data using BI tools to create reports, dashboards and other analyses.

***Data Analyst,* Nrich Enterprise Solutions, Elk Grove, CA July 2017 - February 2018**

**Project: Risk Advisory Services**

* + - Served as a data analyst by using Data Visualization tools like Tableau, Microsoft Power BI and R studio on large data sets to perform interactive reporting and analysis of the dashboards.
		- Identified the data risk and compliance for credit cards by monitoring customer behavior to target them with offers.
		- Used R and SPSS for predictive analysis of complex datasets for various products.
		- Performed SQL database operations to ensure quantity and quality of data and translated the data into reports.
		- Used Google analytics to identify popularity and viewership patterns across various products and provided recommendations for improving revenue generation.
		- Used analytical features like functions, parameters, calculations, trend lines, forecasting etc. in Tableau reports.
		- Extensively used VBA/Pivot tables/MS Excel add-ins for automating tasks and to perform data/risk analysis

***Data Analyst Intern*, DaVita Inc, Washington, DC February 2016 - May 2017 Project: Product development**

* + - Worked in marketing, advertising healthcare analytics field and my responsibilities include extract and analyze intelligence reports using data imported from google analytics to provide insights about our client's website performance and KPI which drives the visitors to increase the conversion rate and site traffic.
		- Conducting workforce analysis and statistical testing of health care practitioner and health care organization demographics and relevant parameters information using SQL, Analytical solver in Excel, SPSS and Tableau.
		- Track open rate, click through rate of all business partners and help them in improving their advertising campaigns.
		- Generated google analytics acquisition reports to help the clients with insights about the website traffic, popularity, viewership patterns across various services and provided recommendations for improving revenue generation.
		- Prepared and assisted in documenting the quarterly and half yearly reports of the Healthcare provider clients.

***Data Analyst,* Orvito, Inc., Hyderabad, India. July 2014 - August 2015**

**Project: Product Development Orvito Nucleo™**

* + - Served as Data and Reporting Analyst, involved in forecasting data of sales and marketing focusing on product specs.
		- Developed and implemented SQL scripts for automating data processing to create daily sales views.
		- Used statistical techniques for hypothesis testing to validate data and its interpretations.
		- Conducted root cause research to identify process breakdowns within departments and augmented data sets using reference functions in Excel such as Lookups, Index match, and data merges using IF statements
		- Created solution driven dashboards by developing different chart types including Crosstab's, Heat/Geo/Tree Maps, Pie/Bar Charts, Circle Views, Line/Area Charts, Scatter Plots, Bullet Graphs, and Histograms in Tableau and R studio.
		- Responsible for tracking requirements using Rally and Jira, conducted Gap analysis and created as-Is workflows to better understand the mechanics of the existing system/business process using Visio.

***Analytics* *Intern*, Orvito, Inc., Hyderabad, India. August 2013 - March 2014**

* + - Serve as a Data Analyst Intern and conduct inferential statistical methods like T-test, Maximum Likelihood analysis, Chi square, etc. on survey responses using Excel, SPSS and visualize the results using Tableau.
		- Document the findings and present the reports to senior research management.
		- Analyze the survey structure and recommend changes to collect more intelligence from responses by introducing concepts of sentiment analysis, pairing models, and assigning weights to the options using R and Python.
		- Respond to ad hoc requests for special reports, presentations and administrative tasks including scheduling and project management.

**EDUCATION**

**Master of Science in Data Analytics Engineering, George Mason University, VA.**  May 2017

Major: Data modelling/Warehousing and Database Administration **GPA: 3.70**

**Bachelor of Engineering in Electronics & Communication** May 2014

PSG College of Technology, Anna University, India. **GPA: 3.51**