**Rabin Paudel**

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**Objective**

Seeking a full-time position in the field of **Statistical Programmer**/**Data Analytics**, where I can utilize my strong computer, communication, leadership, analytics, technical, and organizational skills to excel with company in Statistical Programmer/Data Analytics fields.

**Summary**

* Over **3 years** of experience with domain expertise in Financial Services and Healthcare.
* Strong experience with **Data Analysis**, **Data Migration**, **SQL queries**, **Report Writing, Technical Writing**, **Support, and Installation**.
* Strong knowledge of Statistical Analysis and Model Building technique including **Simple and Multiple Regression**, **Logistic Regression,** **Analysis of Variance (ANOVA), Hypothesis Testing, Variable Selection, Model Diagnostics, Validation, Simulation, Clustering**.
* Strong knowledge of SAS Programming including **base SAS**, **Macro Language**, **SAS/Graph, PROC SQL**, and **ODS graphics.**
* Solid knowledge of non-parametric and parametric test such as **Wilcoxon Signed Rank, Friedman, Kruskal-Wallis, and Mann-Whitney, z-test, t-test.**
* Handling statistical computing and data management tools (**SAS, R, Python**) detailed discussion of the data vector and data handling techniques typically include **importing**, **validating**, and **exporting** of data files.
* Strong knowledge **R** and **Python** library for using data analysis and visualization such as **ggplot2, dplyr, pandas, numpy, matplotlib, seaborn, saspy**, and **plotly.**
* Responsible for writing the code **(SAS, R, SQL**), testing, validating that code, and documenting.
* Performed data analysis, data validation by writing **SAS**, **R**, **SQL**, and **Python** code.
* Highly understanding data visualizations tools **tableau, PowerBI, ggplot2.**
* Compare and analyze provided statistical information to identify **patterns, relationships, and problems**.
* Strong Data Analysis experience and skilled with relational databases such as **Oracle**, **SQL Server**, **MS Access**.
* Handled multiple projects and takes simultaneously to deliver solutions from conceptual stage to delivery to end user.
* High quality project delivery under stringent timelines and high pressure.
* Great team player with excellent verbal, written, and presentation skills.

**Technical Skills**

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| Programming Languages | SAS, R, Python, SQL, Java, C++ |
| Programming tools | SAS 9.4, R markdown, R Studio, JMP, Visual studio code, Jupiter notebook, Eclipse, Atom, github, google sheet |
| Version Control | git |
| Operating Systems | macOS, Windows, Linux |
| Databases | MySQL, Oracle |
| Web Technologies | HTML, CSS, PHP, Java |
| BI Tools | PowerBI, Tableau, SAS Studio |
| Software Proficient | MS Office Word, PowerPoint, Excel, Outlook, Access |
| R and Python Library | Ggplot2, dplyr, tidyr, pandas, numpy, matplotlib, seaborn, plotly, SciPy, SASpy |

**Jr. Data Analyst Carolina Petro Products LLC, Cary NC June 2019 – Present**

**Responsibilities:**

* Handled massive volume of **Structured** and **Unstructured** data including following technique such as removed irrelevant data, deal with deduplicate data, deal with **missing data**, filter out data **outliers**, and **validate data** **(Inspect, Detect, Correct).**
* Experienced creating data visualizations and creating dashboards using **Tableau** or **Power BI** or Excel
* Responsible for performing the management functions of **planning**, **coordination, implementing**, and **controlling** related to various data quality assessment tasks.
* Used **Excel** for data analysis technique such as sort, filter, create table used different function and formula (**VLOOKUP, Pivot tables**) and analyst data with different statistical technique.
* Highly experienced owning complex projects involving **multiple teams** and **executive leadership**.
* Used **SQL** to **explore**, **extract,** and **analyze** data, including historical data; developed complex SQL to derive and transform data from multiple sources.
* Manipulated, analyzed large and complex data sets to distill insights from data; used **creative, effective, structured**, and **analytical** thinking.
* Demonstrated excellent data storytelling skills through outstanding presentation and communication to share findings in an understandable and actionable manner.

**Projects**

**Clinical trial case study**

* The project is designed around the clinical trial case study and try handle different type of datafile e.g**. (raw, SAS, Excel, and Microsoft Assess);** First pull the data into the SAS location used data steps to clean the data.
* Used **PROC CONTENTS** statement to know about metadata of the dataset including variable name, attribute, types, and whole data structure.
* Generated reports into rtf, pdf, PowerPoint files using **ODS basic** code statement in the output specific locations.
* Clear knowledge of how to handle **SAS macro** as dynamic code from of Macro Variables, Macro Statements, Macro Functions, Macro Programs; compare and contract global and local macro variables; compare and contract scanned and unscanned literal tokens.
* Depth understanding **PROC SQL** Joins such as **Inner Join**, **Outer Join**, **Left Join**, **Right Join**.
* Clear concept of data validation such as conform the results against independent source (independent validation) and compare variables within a data set using **PROC COMPARE** statement utilized concept about input buffer and program data vector.
* Performed extensive data analysis by writing **PROC SQL** queries.

**Data Analysis in R**

* Utilized various types of models in regression analysis such as **Forward selection, Backward eliminations, stepwise selection, Akaike information Criterion (AIC), Bayesian Information Criterion (BIC).**
* Analyzed **correlation matrix** using person methods pairwise observation.
* Fit the multiple logistic regression using **glm ()** function in R with **dependent** and **independent variables**.
* Used specific R-code to further analyze heart failure data for data visualization with the help of various R-library such as **ggplot2, rpart**, **randomForest, dplyr**.

**Education**

**Bachelor of Science in Statistics Dec 2021**

Minor **in Mathematics**

North Carolina State University, Raleigh, NC

**Associate in Engineering and Science Aug 2019**

Wake Technical Community College, Raleigh NC

**Bachelor’s degree of Science in Physics Dec 2009**

Tribhuvan University, Nepal