# Ramya R

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## OBJECTIVE

Seeking a challenging and learning position to extract meaning from and interpret various types of data utilizing the up-to-date technologies and resources. Demonstrated ability to learn quickly and work well as part of a team or independently as needed, with effective communication.

## WORK EXPERIENCE

- Worked as Data analyst in EcoInsight Building Software Solutions Pvt.Ltd, Bangalore (Jan 9th 2020-Sep 15th 2023)
- Worked as Data Analyst in Unilog Content Solutions, Mysore (Dec 25th 2017-Jan 7th 2020)

## CERTIFICATIONS

- **C and C++** Course from Supersoft Solution Provider, Bangalore.
  Course Duration: 2 Months (2017)
- **SQL and Python** from JSpiders Bangalore
  Course Duration: 4 Months (2020)
- **Google Data Analytics Certificate** from Coursera Learner
  Course Duration: 3 Months.(Nov 2023 to Jan 2024)

## PROFESSIONAL SUMMARY

- 5.8 years of experience in the area of **Data Analysis**.
- Having experience in **Production and QC Activity.**
- Involved in **Data Classification** for identifying noun/modifier.
- Experience in **Data Cleansing**, **Data Enrichment** from manufacturer & vendor websites & tabulating information in DMS Tool & also it includes optimization of MRO (Maintenance, repair & operating) parts
- Experience in structured **Data Cataloging & Standardization**.
- Involved in **UNSPSC Classification**.
- Experience in **Data Normalization**.
- Experience in **Web Scraping with Python** libraries called **requests, beautifulsoup, pandas, selenium webdriver**.
- Perform **Data Transformation** tasks like normalization, scaling and feature engineering
- Importing excel data to data base called **Microsoft SQL Server** for Data Manipulation and make queries .
- Developed **Dashboards** by using Business intelligence tool called **Tableau**.
- Participated in team meetings and gathered & shared information**.**

## EDUCATION

Bachelor of Engineering in Electrical & Electronics from CMRIT Bangalore in 2017 with 60%.

## TOOLS EXPERTISE

- **Advanced Excel** for Organizing Raw Data Into Readable Format .
- **Python** for Web Scraping .
- **Microsoft SQL Server** for Data Base Management System with Quering .
- **Tableau** for Data Visualization Purpose.

## PROJECT DETAILS

**PROJECT 1:**
**Project name:** **Product Sales Analysis**
**Platform Environment:** SQL (Sql Server), Python (Jupyter Notebook)

**Description**: We start by gathering our sales data from our database. This might includes tables such as 'orders', 'customers', 'products', and 'order_details'. Once if we have our data we may need to clean and preprocess it. For exploratory data analysis (EDA) we use python libraries like 'pandas', 'matplotlib' and 'seaborn' to perform exploratory data analysis. Visualize our sales data to understand patterns, trends, and correlations. This might include plots such as line charts for sales over time, bar charts for product sales, and histograms for distribution analysis. We utilize SQL queries to extract specific insights from our sales data. For example:

- Calculate total sales revenue over a certain time period.
- Identify top-selling products or categories.
- Analyze sales performance by region or customer segment.
- Calculate average order value and customer lifetime value

We Create visualizations and reports to communicate our findings effectively. We use Python libraries like 'matplotlib' or 'plotly' to create interactive visualizations. We Generate reports using tools like 'Jupyter Notebooks' or 'Tableau' that combine both our analysis and visualizations. Finally, we interpret our findings and derive actionable insights. What do the trends and patterns in our sales data suggest? How can the business improve its sales performance based on these insights? By using these steps, we can create a comprehensive sales analysis project using SQL and Python.

**PROJECT 2:**
**Project name:** **Building a Customer Churn Prediction Model**
**Platform Environment:** Python (Jupyter Notebook)

**Description**: Firstly, Understand what is customer churn prediction? — Every company relies on customer loyalty. One of the pillars of business profitability is consumer repeat business. Therefore, it's critical to understand why clients leave a business. Customer churn is the term for customers who leave. Customer churn is the phenomenon in which a client stops doing business with an entity. Users can stop using a company's product or service for a variety of reasons, such as affordability, dissatisfaction with the offering, and bad customer service.
Table of Contents:

- Prerequisites for Building a Churn Prediction Model
- Reviewing the Dataset
- Exploratory Data Analysis for Customer Churn Prediction
- Preprocessing Data for Customer Churn
- Building the Customer Churn Prediction Model
- Customer Churn Prediction Model Evaluation

## ROLES & RESPONSIBILITIES:

- Web sraping by using python libraries like 'requests', 'beautifulsoup' and selenium webdriver to scrape data from websites or APIs.
- Received and processed various lighting products, including indoor lighting(Decorative, Downlights, Exit Emergency, etc.) and Outdoor Lighting(Area Lights, Canopy, Parking and Garage, etc.).
- Clean and preprocess raw data using **Excel** functions and formulas, **SQL** queries, and **Python** libraries like '**pandas'**.
- Perform **data transformation** tasks such as **normalization**, scaling, and feature engineering.
- Perform **exploratory data analysis (EDA)** using Excel's data analysis tools, SQL queries, and Python libraries like '**pandas', 'NumPy', and 'matplotlib'**.
- Apply **statistical methods** and techniques using Excel's built-in functions, SQL queries, and Python libraries like '**scipy**' and '**statsmodels'**.
- Creat visualizations using Excel's charts and graphs, SQL queries with visualization tools like **Tableau** or **Power BI**, and Python libraries like 'matplotlib' and 'Plotly'.
- Responsible for preparing Daily Status report.
- Develop interactive **dashboards** and visual analytics using Excel, SQL, and Python-based tools.
- Experience in participating and collaborating in team meetings to gather and share information and have handled up additional responsibilities whenever they needed and also reporting production report on daily basis to manager.

## PERSONAL DETAILS

Date of Birth         : 25-05-1994.
Languages Known  :English,Kannada.
Hobbies               : Singing, Cooking, listening to music.

## DECLARATION

I hereby declare that the above mentioned information is correct up to my knowledge and I bear the responsibility  for the correctness of the above mentioned particulars.

(Ramya R)