VINITA KUMARI

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Professional Summary

Experienced Data Analyst with a strong background in extracting and analyzing data, optimizing workflows, and driving data-informed decisions, honed during my tenure at Tata Steel. Skilled in using SQL, Power BI, and Excel to leverage data insights to streamline procurement processes, improve inventory management, and enhance vendor performance. Proficient in developing interactive Power BI dashboards and KPI reports, I collaborated with cross-functional teams and stakeholders to monitor performance and identify improvement areas. With a proven ability to translate complex data into actionable strategies, I am committed to driving efficiency and supporting decision-making in dynamic environments

Skills

- R (R shiny, gg plot)
- Excel (V Lookup, Pivot Tables, Macros, VBA)
- SQL (SQL Server, MySQL, PostgreSQL)
- Python (Pandas, NumPy, MatPlotLib)
- Tableau
- Probability and statistics
- Microsoft Power BI: Power Query, Visualization

Work Experience

SOCIAL MEDIA DATA ANALYST INTERNSHIP– Autumn Worldwide – Bangalore, IN   May 2017 – June 2017

- Developed a custom data scraping application in R to automate data extraction from e-commerce platforms, reducing data collection time and manual work by 50%, significantly streamlining data gathering for trend analysis
- Developed an application in R Shiny for extracting data from Twitter and Facebook for performing sentiment analysis
- Prepared monthly and quarterly Power BI dashboards based on the extracted data

ASSISTANT MANAGER – Tata Steel – Jamshedpur, IN   January 2021 - July 2023

- Extracted and managed large datasets using SQL to drive insights for procurement optimization and inventory tracking
- Developed and automated SQL scripts to monitor supply chain KPIs, reducing manual reporting time by 40%
- Created dynamic SQL queries to analyze defect trends in production, enabling a 15% reduction in error rates
- Developed a SQL query to track inventory levels across warehouses, helping reduce stockouts by 20%
- Created interactive Power BI dashboards to monitor operational KPIs, including machine uptime, inventory turnover, and procurement cycle times

Projects

BIKE SALES ANALYSIS EXCEL DASHBOARD – Project link

- Constructed multiple **pivot tables** to organize and summarize bike sales data
- Created line charts to illustrate sales trends and patterns over specified periods
- Analyzed key metrics such as total sales, sales by region, sales by product category, and sales trends over time
- Integrated slicers into the dashboard for **dynamic data filtering** which will Allow users to interact with the dashboard by filtering data based on criteria such as date, region, product category, and sales representative

INSTAGRAM DATA ANALYSIS WITH SQL – Project link

- Performed data cleaning and preprocessing to ensure data accuracy and consistency
- Conducted **complex SQL queries** to analyze user engagement metrics, follower growth, and content performance
- Implemented **DQL queries** such as SELECT and executed queries related to **aggregate functions, subqueries and joins**
- Enabled the analysis of follower behavior and preferences, leading to a deeper understanding of audience demographics

POWER BI BLINKIT SALES ANALYSIS DASHBOARD – Project link

- Cleaned and transformed data using **Power Query** for accurate analysis
- Built data models by establishing relationships between different tables, enabling more complex analysis
- Defined and calculated essential KPIs like Total Sales, Average Sales, Number of Items and Average Rating
- Designed interactive dashboards in Power BI to visualize key sales metrics such as total sales, revenue by product category

Education

Degree	University/School	Year	Percentage/CGPA
Industrial & Manufacturing Engg. (Dual Degree)	IIT Kharagpur	2018	7.7
Intermediate Board of Intermediate Education	Narayana College, Visakhapatnam	2012	96.3%
Class 10, CBSE Board	Visakha Valley School, Visakhapatnam	2010	9.8/10

Certifications

- Data Science Bootcamp – Odin School
- Google Data Analytics Professional Certificate
- Python programming for data science-Data Camp
- Intro to Data Analysis using Excel by Rice University- Coursera

Extra- Curricular

- Held the position of **Vice-President**, Mekanika- Society of Mechanical Engineering, IIT Kharagpur and led a team of 50 members and managed a budget of over 10 lakhs to conduct adventure activities
- Selected as one of the five best B. Tech Projects in the Undergrad level-2017
- Part of Bronze winning choreography team, IIT Kharagpur-2015
- Secured NCC A, B and C certificates