SIVAMANI R

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PROFESSIONAL SUMMARY

Detail-oriented Data Analyst with foundational expertise in SQL, Python, and Excel for data extraction, cleansing and analysis. Proficient in analyzing data and deriving actionable insights through Tableau and Power BI visualizations. Passionate about transforming raw data into strategic solutions and eager to apply my analytical skills in an entry-level role to drive meaningful business outcomes.

SKILLS

- **Programming & Database Management:** Python, SQL
- **Data Visualization & Reporting:** Power BI, Tableau, Matplotlib, Seaborn
- **Data Processing & Wrangling:** MS Excel, Pandas, NumPy
- **Business Intelligence:** Dashboard development, KPI tracking, performance forecasting
- **Data Analytics:** Trend analysis, business insights

PROJECTS

E-Commerce Retail Sales Analysis (Python, Pandas, Matplotlib, Seaborn)
- Analyzed sales data to identify revenue trends, and optimize marketing strategies.
- Processed and cleaned 541K+ records, reducing inconsistencies and enhancing data reliability by 27%.
- Discovered that the U.S. contributed 18% of total revenue, and holiday seasons drove a 30% sales surge.
- Recommended targeted marketing in high-revenue regions and strategic holiday promotions to maximize sales.

Market Sales Performance & Forecasting Dashboard (Excel, Power BI)
- Conducted time series analysis to deliver actionable insights and accurate sales forecasting, enhancing business growth and strategic decision-making.
- Developed an interactive Power BI dashboard with KPIs, visualizations, and filters, enabling deeper data exploration and sales performance tracking.
- Generated 20-day sales forecasts using historical data,optimizing business planning and decision-making.

NYC Taxi Ride Demand Analysis (Python, Pandas, SQL)
- Analyzed NYC taxi ride data to optimize fleet allocation, enhance service efficiency and maximize revenue by processing over 2 million records to uncover demand patterns.
- Cleaned the dataset by removing 8% of records flagged as anomalies, boosting data quality and forecasting accuracy.
- Identified 6 PM as the peak demand hour with 199k trips, a 12% spike over the daily average, enabling precise driver scheduling.
- Determined Wednesdays as the busiest day with 463k trips, accounting for 15% of weekly demand, aiding strategic planning.

EXPERIENCE

Novi Tech R&D Private Limited — *Data Analytics Intern*   *January 2025 - February 2025*
- Conducted a case study utilizing Python, SQL, and visualization tools to clean, analyze, and interpret complex datasets, delivering actionable business insights.
- Identified high-cost failures by analyzing repair cost data, pinpointing steering and heating issues as the most frequent, and recognizing failures in the 90th percentile for targeted cost reduction.
- Recommended preventive maintenance strategies after discovering that 20% of total repairs were concentrated in specific states, optimizing resource allocation and reducing costs.

Sun Mobility — *Graduate Engineer Trainee*   *August 2023 – December 2024*
- Optimized EV battery performance using Excel, improving operational efficiency by 25%, and created Excel dashboard reports and presented insights via Microsoft PowerPoint for decision-making.

EDUCATION

Vellore Institute of Technology, Vellore   *August 2019 – May 2023*
- Bachelor of Technology in Mechanical Engineering | CGPA: 8.2

CERTIFICATIONS & TRAINING

- SQL for Data Science – Great Learning Academy (2024)
- Deloitte Australia Data Analytics Virtual Experience – Forage (2025)
- PwC Switzerland Power BI Virtual Experience – Forage (2025)
- Accenture North America Data Analytics Virtual Experience – Forage (2025)