Microsoft Certified Power BI Data Analyst

MAHALAKSHMI S

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LinkedIn | GitHub | Portfolio

Education

Master of Science in Data Analytics   May 2023
Sri Ramachandra Engineering and Technology – CGPA: 8.9

Bachelor of Science in Computer Science   April 2021
Mahalashmi Women's College of Arts and Science – CGPA: 7.1

Skills

Power BI Tools: DAX, Power Query, Data Modeling, Data Visualization	**SQL** Tools: Joins, CTEs, Window Functions, Views, Stored Procedure	**Professional** Skills: Problem Solving, Effective Communication, Stakeholder Engagement
Python Libraries: Pandas, NumPy, Matplotlib BeautifulSoup	**Excel** Tools: Pivot Table, Pivot Chart, VLOOKUP, HLOOKUP, VBA	

Projects

T20 Cricket World Cup Analysis – Final 11 Players [Python | Power BI] GitHub Repo| Live Dashboard | Coding   January 2025

- Utilized **Python** libraries (**BeautifulSoup, requests**) to scrape T20 Cricket World Cup match data.
- Analyzed over 50+ individual player performances using Power BI and DAX to determine the optimal final 11 players.
- Identified the top 11 players **contributing 60% of tournament runs** and analyzed team strategy trends.

Finance and Supply Chain Analytics – Ad-Hoc [SQL | Excel] GitHub Repo | Query | Presentation   November 2024

- Utilized **SQL** to extract data from 8 different related tables from customer sales databases using **JOIN** and **VIEW**
- Developed SQL queries and **Excel** visualizations to identify that Notebooks, Accessories, and Peripherals **represent 83%** of the unique product count.
- Examined a sudden decline in Gross Sales in **Q3 of FY 2020** due to the COVID-19 pandemic **($4M to $0.4M).**

Business Insights 360 - Brick & mortar [Power BI | SQL | Excel | Dax Studio] GitHub Repo | Live Dashboard   October 2024

- Struggled with outdated Excel-based analytics, AtliQ Hardware aimed to modernize operations using data-driven
- Built a detailed operational performance report using **Power BI** and 2 data sources (**Excel/CSV files and SQL Databases**).
- Developed **5 distinct dashboards**, each for Finance, Sales, Marketing, Supply Chain and Executive Insights.
- Enabled AtliQ Hardware to analyze different department sales trend and discovered top divisions, with Asia-Pacific leading in **Net Sales ($125.4Mil)** and **Europe in Gross Margin% (33.88%).**

P & L Report – Finance & Sales Analytics [Excel | Pivot Table | Power Query] GitHub Repo | Live Report   August 2024

- Conducted a comprehensive Profit and Loss analysis, assessing key financial indicators such as Net Sales, COGS, Gross Margin, and Gross Margin %.
- Optimized data processing by executing data cleaning in **Power Query**, eliminating approximately 4 hours of repetitive manual work.
- Summarized Dax Measure for calculations and **pivot tables** to improve user experience.

Certificates

- Microsoft Certified: Power BI Data Analyst Associate | Certificate   February 2025
- Python: Beginner to Advanced for Data Professional | Certificate   January 2025
- SQL: Beginner to Advanced for Data Professional | Certificate   November 2024
- Get Job Ready: Power BI Data Analytics for All Levels 3.0 | Certificate   October 2024
- Excel : Mother of Business Intelligence| Certificate   August 2024