Balamurugesh Nagaraj

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 Balamurugesh-Nagaraj

Profile Summary

Passionate Data Analyst skilled in SQL, Python, and Power BI. Experienced in **cleaning, transforming, and analyzing large datasets** to derive actionable insights. Adept at **creating interactive dashboards** for data-driven decision-making. Strong problem-solving abilities with a focus on **business intelligence, automation, and efficiency improvement**. Always eager to learn and adapt to new analytical techniques.

Education

St. Mother Theresa Engineering College, Thoothukudi, Tamil Nadu *Oct 2021 – May 2025*
B.E. Computer Science Engineering — Oct 2021 - July 2025
- CGPA: 7.3
- **Relevant Courses:** Database Management, Python Programming, Data Structures, Web Development

Skills

Programming: Python, SQL

Data Analysis: Data Cleaning, EDA, Statistical Analysis

Libraries: NumPy, Pandas, Matplotlib

Data Visualization: Power BI, Excel, Matplotlib

Databases: MySQL, SQL Server

Tools: Jupyter Notebook, MySQL Workbench, VS Code

Version Control: Git, GitHub

Soft Skills: Problem-Solving, Analytical Thinking, Communication, Quick Learning

Languages: Tamil (Native), English (Fluent)

Projects

Retail Sales Analysis – SQL & Power BI *GitHub Repo* ↗
- **Optimized sales data processing**, analyzing customer trends and revenue patterns.
- Designed **interactive Power BI dashboards** that provided key business insights, enhancing decision-making.

Data Cleaning & EDA – Python, Power BI *GitHub Repo* ↗
- **Cleaned and transformed raw datasets** using Pandas & NumPy, ensuring high data accuracy.
- Conducted **Exploratory Data Analysis (EDA)** and presented findings using Power BI dashboards.

Sentiment & Customer Segmentation – NLP, ML *GitHub Repo* ↗
- Developed an **NLP-based sentiment analysis system** to categorize customer feedback.
- Applied **Machine Learning models** for customer segmentation based on purchasing behavior.
- Created **Power BI reports** to visualize sentiment and segmentation insights.

Certifications

- **Google Data Analytics Professional Certificate** – Coursera
- **Power BI Certificate** – Coursera
- **SQL Intermediate Certificate** – HackerRank
- **Kaggle Python Certificate** – Kaggle
- **Introduction to Microsoft Excel Certificate** – Coursera
- **Git Training Certificate**