
Executive Summary

Highly motivated and detail-oriented student with a strong foundation in data analysis, database management, and data visualization. Proficient in a range of tools and technologies, including Excel, SQL, Python, and PowerBI with experience in data cleaning and reporting. Seeking to apply technical expertise and problem-solving skills to a Data Analyst role to help drive data-driven decision-making and support business objectives

Expertise And Tools & Technologies

- **Microsoft Excel** (Power Query and Advanced Excel)
 - **Python** (Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn)
 - **SQL** (including subqueries, multiple joins, and grouping) with experience in SQL Server.)
 - **Power BI** (data visualization tools, Aggregation and Transform, data validation, data quality monitoring.)
 - **Machine Learning** (Scikit-learn, Linear Regression, Model Training, Feature Scaling)
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Internships & Certificates:

Python for Data Science, AI & Development - IBM

- Web Scraping Data Analysis Computer Programming Data Manipulation Data Processing Programming Principles NumPy Data Import/Export Scripting Jupiter Automation Pandas (Python Package)

Microsoft - Business Analysis Fundamentals – (Sep 2025)

- Gained foundational knowledge of business analysis concepts
- stakeholder management, requirements elicitation, and business process improvement.

LinkedIn Certified R Programmer – (Mar 2025)

- R for Data Science: Analysis and Visualization – LinkedIn Learning
- *Skills: R Programming, Data Analysis, Data Visualization*

Logistics & Supply Chain Management Intern – DPM EXIM (2023)

- Gained hands-on experience in export & import operations and supply chain workflows.
 - Contributed to process optimization initiatives to improve logistics efficiency.
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Project:

Service Parts Demand Forecasting: [<https://github.com/Rel10Jayaraj>]

- Developed an automated Excel-based forecasting system using Power Query, PivotTables, and What-If Analysis.
- Cleaned and analyzed 50,000+ service records to uncover demand patterns and inventory trends.
- Designed interactive dashboards that boosted efficiency and reduced manual reporting by 70%.

Data/Business Analytics Housing Project | [<https://github.com/Rel10Jayaraj>]

- Designed an end-to-end housing data analysis pipeline using Python for business insights and pricing trends.
- Applied advanced preprocessing, encoding, and feature scaling with Pandas and Scikit-learn.
- Built visual analytics (heatmaps, correlations, and distributions) using Matplotlib and Seaborn for decision

Data Analytics & Machine Learning Housing Project | Oct 2025

- Designed and built an end-to-end machine learning solution to predict housing prices, achieving a strong predictive performance (**R² score: 0.78**).
 - Engineered a user-facing script for interactive, real-time predictions.
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Education:

Master's in business analytics Expected Graduation: [December 2026] GPA: 3.43 [Currently – II Semester]

[University of Massachusetts Boston], Boston, MA

- Relevant coursework: Data Analytics, Database Management, Data Visualization, Management Decisions

Master's in commerce Graduated: [May 2024] GPA: 3.70

[Bishop Heber College], Tiruchirappalli, Tamil Nadu, India

- Relevant coursework: Operations & Supply Chain Management, International Business & Trade, Human Resource Management, Business Analytics & Data-Driven Decision Making

Bachelor's in commerce Graduated: [May 2022] GPA: 3.90[Distinction]

[Bishop Heber College], Tiruchirappalli, Tamil Nadu, India
