BALA S

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Profile Summary

Detail-oriented Computer Science graduate with hands-on experience in Data Analytics. Skilled in Python, SQL, Power BI, and Excel, with strong problem-solving and analytical skills. Passionate about leveraging data-driven insights to solve real-world problems and deliver impactful solutions in a collaborative environment.

Key Skills

- Programming: Python
- Data Tools: Pandas, NumPy, Matplotlib, Power BI, Excel
- Databases: MySQL, PostgreSQL
- Data Analysis: Data Cleaning, Transformation, Visualization
- Reporting: Dashboard Development, Business Insights, Data Storytelling

Education

B.E (CSE), T.J Institute of Technology, Chennai (2021-2025)	CGPA: 7.12/10
HSC (Jawahar Matriculation Hr. Sec. School, Neyveli) – 2021	Percentage:72.17%
SSLC (Jawahar Matriculation Hr. Sec. School, Neyveli) – 2019	Percentage:63.4%

Projects

Online Grocery Web App - Dec 2024

Designed and developed an online grocery web application for product categorization and customer purchases. Integrated PHP-based frontend with MySQL backend for data storage and retrieval, enabling smooth shopping experience. Accessible via Windows 10 systems.

Predictive Modeling for Thyroid Disorder Diagnosis - May 2025

Developed a machine learning-based model for predicting thyroid disorders using CNN and deep learning algorithms. Utilized XAI, Grad-CAM, and LBP techniques for interpretability and feature visualization. Implemented a web-based interface to analyze patient data and generate predictions.

Movie Revenue Analysis and Prediction Dashboard— Python, Power BI, Excel Nov 2025

• Developed an end-to-end movie revenue prediction model using Python and visualized insights through an interactive Power BI dashboard.

• Performed data cleaning, feature engineering, regression modeling, and evaluation using RMSE/MAE/MAPE.

Certifications

- Data Analytics Course - Codepilot Software Institute (oct 2025)
- Data Science intership – Gradtwin (present)