

Prathish T

Data Analyst | SQL · Python · Power BI · Excel · Data Visualization

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PROFESSIONAL SUMMARY

Data Analyst skilled in SQL, Python, Excel, and Power BI with hands-on experience with data cleaning, exploratory data analysis (EDA), dashboard development, and business intelligence. Built analytics projects spanning cybersecurity monitoring, computer vision, and sales analytics to convert raw data into actionable business insights.

TECHNICAL SKILLS

Programming & Database: SQL, Python, MySQL

SQL Skills: Joins, Subqueries, Window Functions, CTEs, Aggregate Functions

Data Analysis: Pandas, NumPy, SciPy, Matplotlib, Seaborn, EDA, Data Cleaning, Data Wrangling

Visualization & BI: Power BI (DAX, Data Modeling, KPI Reporting, Power BI Service), Excel (Pivot Tables, Power Query, VLOOKUP/XLOOKUP, Dashboards), Tableau (Interactive Dashboards, Calculated Fields)

Tools & Platforms: Jupyter Notebook, MySQL Workbench, Power BI Desktop, Git, GitHub

PROJECTS

AI-Powered Cybersecurity Monitoring & Threat Intelligence Platform | *Python, Streamlit, MySQL, Scikit-learn*

- Developed a Streamlit dashboard for real-time network traffic monitoring and threat detection using the CICIDS2017 dataset.
- Processed security logs with Pandas and NumPy, structuring multi-source traffic records for analysis.
- Queried and correlated intrusion events in MySQL, with Plotly/Matplotlib visuals mapping attack origins and severity.

Ultra Accuracy Drowsiness Detection System | *Python, OpenCV, YOLOv5*

- Developed a real-time driver monitoring system using computer vision to detect drowsiness and support accident prevention.
- Implemented facial landmark detection to track eye and facial movement from live video input.
- Calculated Eye Aspect Ratio (EAR) from tracked landmarks to monitor blink rate and duration as fatigue indicators.
- Integrated YOLOv5 for real-time face/eye localization and configured automated alerts for sustained drowsiness.

Pizza Sales Analysis Dashboard | *SQL, Power BI, Power Query, DAX*

- Developed an end-to-end Power BI dashboard using DAX measures and Power Query for KPI tracking and sales trend analysis.
- Implemented time-intelligence DAX functions for year-over-year and period-based performance comparisons.
- Transformed raw sales data using Power Query and SQL to ensure accurate, analysis-ready datasets.
- Designed dynamic visuals identifying revenue trends and peak order periods to support inventory and sales strategy.

EDUCATION

Jain University 2024 – 2026

MCA – Data Analytics

Besant Technologies 2024 – 2025

Data Science & Analytics Program

Vels University 2021 – 2024

BCA – Data Science

CERTIFICATIONS

Deloitte Data Analytics Virtual Experience – Deloitte | 2025 – 2026

Data Science Certification – InternzLearn | April 2024

Data Modeling In Power BI – Microsoft Power BI | April 2026

Python for Data Analysis – Great Learning | April 2023

SQL for Data Analysis – Great Learning | January 2023