

# Yogendar Bhupathi

## PROFESSIONAL SUMMARY

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Results-driven Data Analyst and Business Analyst with hands-on experience in end-to-end data analysis, data wrangling, statistical analysis, and business intelligence reporting across 6+ real-world projects spanning HR Analytics, E-Commerce, Music Retail, and Call Centre domains. Proficient in SQL, Python, Power BI, and Microsoft Excel with a proven track record of building KPI dashboards, performing customer segmentation, and translating complex datasets into actionable business insights that drive data-driven decision-making and strategic business planning. Skilled in requirements gathering, stakeholder communication, and process improvement with strong attention to detail and a proactive problem-solving mindset.

## EDUCATION

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<b>Bachelor of Technology</b> (Computer Science) Gokaraju Rangaraju Institute of Engineering Technology	2021 - 2025 Grade: 9.1/10.0
<b>Intermediate (Class XII)</b> narayana junior college	2019 - 2021 Grade: 94.0%
<b>Matriculation (Class X)</b> Narayana E - Techno School	2018 - 2019 Grade: 9.2/10.0

## PROJECTS

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### **HR Analytics: Employee Attrition Prediction & Insights** — Python, MySQL, Power BI ( [Github](#) ) March 2026

- Developed an **end-to-end data analysis** and **business intelligence** solution using **Python, SQL, and Power BI** to analyse employee attrition, identify high-risk employees, and support workforce planning.

- Conducted **exploratory data analysis (EDA)** and **statistical analysis** to identify key attrition drivers; built a Random Forest **predictive analytics** model enabling proactive **data-driven decision-making**.

- Engineered **SQL queries** to calculate attrition rates, department-level trends, and **workforce segmentation** insights; designed interactive **Power BI KPI dashboard** with Attrition Rate, Department Risk Score, and Employee Satisfaction Index.

### **Amazon E-Commerce Sales Analysis** — Power BI, MySQL ( [Demo](#) ) February 2026

- Built an interactive Power BI dashboard analyzing **113K+ records and 107M+ revenue**, uncovering insights on sales trends, customer behavior, product performance, and regional distribution.

- Performed data cleaning and transformation using **Power Query (M Language)** and implemented advanced **DAX (CALCULATE, DISTINCTCOUNT, DATEDIFF, SAMEPERIODLASTYEAR)** for KPI development and time intelligence analysis.

- Executed advanced **SQL queries using CTEs and Window Functions (LAG, PARTITION BY, Rolling Average)** to compute MoM growth, customer scoring, and revenue analytics.

- Developed customer segmentation and return analysis (31K returns) to deliver data-driven recommendations for improving retention, logistics efficiency, and low-performing categories.

### **Chinook Music Store Project (SQL)** ( [Github](#) ) December 2025

- Analysed customer purchasing behaviour, sales trends, and genre performance using advanced **SQL** and **Microsoft Excel**; built **customer segmentation** models including CLTV, **Churn Analysis**, and risk profiling.

- Generated **data-driven business recommendations** to improve customer retention and revenue growth, demonstrating ability to translate **statistical analysis** into **strategic business planning**.

### **Pizza Sales Analytics System** — MySQL, Excel ( [Demo](#) ) December 2025

- Built an end-to-end analytics solution on a **46k+ row transactional dataset** using **MySQL as the source of truth** and **Excel as the BI layer**.

- Implemented **advanced SQL aggregations, date/time analysis, and KPI validation** to cross-verify all dashboard metrics.

- Performed **data cleaning, date parsing fixes, and integrity checks**, resolving real-world issues like zero-date ingestion.

- Designed an **interactive Excel dashboard** to analyze revenue trends, peak hours, product performance, and best/worst sellers for business decision-making.

### **Library Management System (SQL)** ( [Github](#) ) December 2025

- Designed normalized **MySQL schema**; implemented PK-FK relationships and constraints for data integrity.

- Developed SQL procedures** to automate book issuance/returns with condition checks and inventory updates.

- Built analytical pipelines **using CTEs, CTAS, aggregations**, date functions, and derived metrics (overdue days, fines, issue counts).
- Generated summary tables for **reporting and dashboard readiness**.
- Processed **CSV datasets using LOAD DATA INFILE**, ensuring clean ETL workflows.

### **Astrosage Call Center Analysis (Excel)** ( [Demo](#) )

October 2025

- Analysed 28K+ call and chat records using **Microsoft Excel** to identify operational inefficiencies; designed an interactive **KPI dashboard** with trends and performance insights for management reporting.
- Proposed **process improvement** initiatives (AI chatbots, peak-hour staffing, feedback systems) estimated to improve efficiency — demonstrating **business acumen** and **strategic business planning** capability.

## **CERTIFICATIONS**

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### **Professional Certification In Data Analysis** NewtonSchool ( [Link](#) )

February 2026

Completed the Data Analyst phase of a Data Science & AI certification, gaining hands-on experience in **SQL, Python, Excel, data cleaning and data visualization**. Applied analytical techniques on real-world datasets to derive insights and support **data-driven decision-making**.

### **Data Analytics with Python** NPTEL ( [Link](#) )

January 2024

I have successfully completed the NPTEL certification in *Data Analytics with Python*, securing a top 1% score. Through this course, I gained expertise in core data analytics concepts, essential mathematics, advanced probability, and data visualization techniques.

### **Data Science for Engineers** NPTEL ( [Link](#) )

July 2023

I have completed the NPTEL certification in Data Science, where I gained strong foundations in the required mathematics, data visualization and interpretation, as well as clustering methods using Python.

## **SKILLS**

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**Computer Languages:** Python, Java, SQL

**Courses:** Data Structure

**Databases & Data Tools:** Spreadsheet, Excel, Power BI, MySQL

**Domain & Business Skills:** Analytics

**Frameworks & Libraries:** Pandas, Matplotlib, NumPy

**Soft Skills:** Leadership, Decision-making, Communication Skills