

# P SAIRAM KUMAR

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📍 Yanam, Puducherry

🐙 Github

## PROFESSIONAL SUMMARY

Educator with **5 years of experience** teaching **SQL, Python, C-Language** and **Advanced Excel**, now transitioning into a **Data Analyst** role. Strong in **data analysis, automation, and visualization**, with a passion for turning data into **actionable insights**.

## PROJECTS

### Capstone Project: Retail Sales Analytics

**Tools:** Python (Pandas), SQL Server, Power BI, DAX

**GitHub:** [Retail Sales Project](#)

- Developed an end-to-end retail sales analytics pipeline for a simulated business.
- Cleaned and preprocessed raw CSV data using **Pandas (null handling, data type conversions)**.
- Loaded cleaned data into a normalized **SQL Server** database, ensuring data integrity.
- Wrote advanced **SQL** queries using **joins, aggregations, views, and window functions**.
- Built an interactive **Power BI** dashboard with slicers, KPIs, and visuals for executive insights.
- Applied **DAX** for Top-N analysis, customer segmentation, and dynamic metric calculations.

### Capstone Project: Airbnb Data Analysis

**Tools:** Python (Pandas), MongoDB, EDA, Streamlit, Power BI

**GitHub:** [Airbnb-Analysis](#)

- Collected publicly available Airbnb listing data including pricing, location, reviews, and host details.
- Preprocessed data to address **missing values, outliers, duplicates, and format inconsistencies**.
- Performed **Exploratory Data Analysis (EDA)** to uncover trends and correlations in key features.
- Created visualizations using **Matplotlib, Seaborn, and Power BI** to highlight patterns in location-based pricing, review sentiment, and availability.
- Built a **Streamlit**-based web app for interactive filtering and exploration of Airbnb listings.

## CERTIFICATIONS

- Professional Master Data Science Program** - GUVI 📅 July - 2025
- JavaScript** - GUVI 📅 June - 2025

## SKILLS

- Tools:** MS SQL Server, Power BI, Excel (Advanced), MongoDB (Basic)
- Languages:** SQL, Python, JavaScript, C, HTML, CSS
- Python Libraries:** Pandas, NumPy, Scikit-learn, Seaborn, Matplotlib, Plotly, NLTK
- ML/NLP:** Machine Learning, NLP, Text Classification, Model Building
- Development:** Jupyter, VS Code, GitHub, Streamlit
- Data Concepts:** ETL/ELT, Data Warehousing, Star Schema
- Visualization:** Power BI Dashboards, Python Visualizations
- Soft Skills:** Communication, Problem-Solving, Analytical Thinking

## EXPERIENCE

### Computer Teaching & System Administrator

📅 11/2022 - 05/2025 (Full Time)

*Nallam Residential Concept High School*

An educational institution focused on various subjects including computer science

- Managed computer teaching programs and facilitated learning for students
- Oversaw computer systems and administration in the school

### Computer Faculty

📅 01/2018 - 01/2022 (Full Time)

*Ct&t Computer Institution*

📅 11/2022 - 05/2025 (Part Time)

An institution specializing in computer education

- Delivered structured lessons in **MS Office, Python, and SQL** to B.Tech and B.Sc Computer Science students, emphasizing real-world problem-solving and practical implementation

## EDUCATION

**B.Sc Mathematics**

*Dr. S.R.K Govt Arts College*

May 2014 - May 2017 | Yanam