

# SANATH KUMAR PV

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## Technical Skills

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Python (Pandas, NumPy, Matplotlib, PySpark), SQL, PostgreSQL, Power BI, Tableau, Azure (Data Lake, Synapse, Databricks), AWS (fundamentals), Git, Docker, Airflow, DBT, Snowflake, Excel, Statistical Modeling, Basic Machine Learning, Computer skills.

## Summary

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Entry-level Data Professional with a strong foundation in data analysis, data engineering, and visualization. Experienced in using modern data tools to analyze and transform datasets, delivering data-driven solutions. Proven ability to work in teams and adapt to dynamic environments. Seeking to contribute technical and analytical expertise to data focused roles.

## Projects

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### Data Migration From On-Prep SQL to Cloud With Data Transformation | Azure

- Orchestrated migration of **10GB SQL Server data** to **Azure Data Lake Gen2**, reducing processing time by **30%**.
- Developed a **three-tier data architecture** for efficient data transformation.
- Built an **ETL pipeline** using **Azure Data Factory**, integrating SQL Server with Azure.

### Real-Time Data Analysis for Operational Efficiency | Lai Manufacturing Plc (Un-Guided)

- Improved efficiency by 15% using real-time analytics and Power BI dashboards.
- Reduced downtime by 12% through KPIs tracking.
- Proposed predictive maintenance solutions, decreasing inventory issues by 10%.

### Spark-Processing Project for Visa | Spark, Docker, Azure

- Analyzed and visualized visa issuance data for Japan using **Apache Spark** and **Docker** to identify trends across countries and continents.
- Developed data processing scripts in **Python** for cleaning and transforming large datasets, leading to actionable insights on international travel patterns.
- Created visualizations (bar charts and choropleth maps) to illustrate visa trends, enhancing decision-making for immigration policies.
- Created a **VM using Azure VM** for an isolated process of our **analytics compilation**.

### Financial Analysis for Festman Stores | Data-Driven Insights (Open-Source Project)

- Conducted analysis, revealing a **249.46% increase in total sales**.
- Developed **interactive dashboards** highlighting performance metrics.
- Proposed new **discount strategies** to enhance profitability.

## Education

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### Jain (Deemed-to-be University), Bangalore, India

Master of Computer Applications (MCA) | Expected Graduation: Feb 2026

### The National College, Bangalore, India

Bachelor of Computer Applications (BCA) | Graduated: Apr 2023

## Certification

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- **Microsoft Power Bland Excel Data Analyst** – Coursera
- **PostgreSQL Certification** – LinkedIn Learning
- **Python Certification** – LinkedIn Learning

## Soft Skills

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Problem-solving, Analytical Thinking, Effective Communication, Teamwork, Adaptability, Attention to Detail, Time Management.

## Languages

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Fluent in **English, Hindi, Kannada, Telugu**.