

SWAROOP KUMAR VATHADA | DATA ANALYST / BI ANALYST

Visakhapatnam - 530008, Andhra Pradesh, India | +91 9573742803 | swaroop.vathada@gmail.com
[linkedin.com/in/swaroopkumarvathada](https://www.linkedin.com/in/swaroopkumarvathada) | github.com/swaroop456 | [Portfolio](#)

PROFESSIONAL SUMMARY

Data Analyst with 17 months experience at Tata Consultancy Services (TCS), including 1 year as an SAP Analytics Cloud Developer. Skilled in Python, SQL, Power BI, Tableau, and Advanced Excel with hands-on experience in data cleaning, EDA, data modelling, dashboard development, and KPI reporting. Adept at transforming complex datasets into actionable business insights to support data-driven decision-making.

TECHNICAL SKILLS

- **Programming Languages:** Python, SQL
- **Python Libraries:** Pandas, NumPy, Matplotlib
- **Database & Tools:** MySQL, MySQL Workbench
- **Analytics & BI Tools:** SAP Analytics Cloud, Power BI Desktop, Power BI Service, Tableau Desktop, Advanced Excel
- **Data Analytics:** Power Query, DAX, Data Visualization, Exploratory Data Analysis (EDA), Data Cleaning, Data Analysis, Business Intelligence, KPI, Dashboards, Data modelling, ETL
- **Core Concepts:** Data Structures, CRUD Operations, Data Cleaning, Data Analysis, Basic OOP Concepts
- **Version Control:** Git, GitHub

PROFESSIONAL EXPERIENCE

Assistant System Engineer | (May 2024 – October 2025) | Tata Consultancy Services (TCS) Hyderabad, India

SAP Analytics Cloud Developer | LDF Project – German Client | TCS Hyderabad, India | (Aug 2024 – Aug 2025)

- Worked as an SAP Analytics Cloud Developer on the Ledvance Digital Future (LDF) enterprise analytics project.
- Developed over more than 5 interactive dashboards and KPI tracking reports using SAP Analytics Cloud for business performance monitoring.
- Worked with analysing 5 – 7 data sets in SAP Analytics Cloud for data transformation and reporting.
- Developed enterprise-level dashboards and analytical reports for business performance monitoring.
- Built and optimized 5 - 7 data models ensuring high performance and data reliability to 30 % more.
- Ensured data accuracy, consistency, and integrity across all reporting layers up to 40% for business Outcomes.
- Delivered analytics solutions aligned with cross-functional teams.

DATA ANALYTICS PROJECTS

Amazon Orders Analysis — Python | Excel | MySQL | Power BI | (May 2026)

- Performed end-to-end analysis on Amazon Orders Dataset containing 1,13,698+ records and 29 columns spanning Jan 2022 – Sep 2022 using Python, Excel, MySQL Workbench, and Power BI.
- Executed data cleaning, preprocessing, and exploratory data analysis (EDA) using Python libraries — Pandas, NumPy, Matplotlib, and Seaborn — improving dataset quality and uncovering key sales and customer behaviour trends.
- Built 5-page interactive Power BI Dashboard and Excel KPI reports analysing revenue, product categories, fulfilment performance, promotions, and geographic sales distribution across India.
- Identified that Kurta and Set categories contribute 77% of total orders, while Maharashtra and Karnataka are the top revenue-generating states with Bengaluru, Hyderabad, and Mumbai as premium revenue cities.
- Derived actionable business insights revealing promoted orders generate 2.5x higher revenue, expedited shipping contributes nearly 75% of total revenue, and September & May are the peak sales months for Amazon fashion sales.

Financial Sales Dashboard — Power BI | (Apr 2026)

- Imported Microsoft Financial Sample dataset (700 rows, 16 columns) into Power BI Desktop via Excel Workbook connector.

- Built a dedicated _Measures table following Power BI best practices and developed 6 DAX measures — Total Sales (118.73M), Total Profit (16.89M), Total Units Sold (1.13M), Total COGS (101.83M), Total Discounts (9.21M), and Profit Margin % (14.2%).
- Designed a 4-page interactive Financial Sales Dashboard — Financial Overview (executive KPIs), Product featuring 15 visuals.
- Identified that Government segment is the single most valuable customer segment driving 44.22% of total sales (52.5M) and 65.04% of total profit — while USA and Canada each contribute 25M in sales, making them the top two geographic markets out of 5 countries analysed.

Performed time intelligence analysis revealing October 2014 as the peak sales month at 12.4M, 2014 significantly outperforming 2013 across all segments, Total COGS of 101.83M vs Total Sales of 118.73M

Retail Store Sales Analysis — Advanced Excel | (Mar 2026)

- Performed end-to-end data cleaning and transformation on 12,575 rows of retail store sales data (2022–2025) — resolved 6,625 blank cell issues across 5 columns, removed duplicates, standardized formats, and added 4 helper columns for time-based analysis using MS Excel.
- Applied 17 Advanced Excel formulas including SUMIFS, XLOOKUP, UNIQUE, SORT, FILTER, LARGE, and Nested IF with Dynamic Arrays — uncovering that total revenue across 3 years was \$1,552,071 with an average order value of \$129.65 across 12,575 transactions.
- Built 4 interactive Pivot Tables (Sales by Category, Monthly Trend, Payment Method, Online vs In-Store) with calculated fields, Category/Location/Payment slicers, and Transaction Date Timeline — identifying Butchers as the highest revenue category (\$208,118) and Cash as the top payment method (\$537,710).

Performed What-If Analysis using Goal Seek and Scenario Manager — modelled 3 sales performance scenarios (Low: \$50, Base: \$200, High: \$500) to support data-driven revenue forecasting and business planning decisions.

Classic Models Database Analysis — MySQL | (Mar 2026)

- Analysed the Classic Models relational sales database using 10 structured SQL queries to extract actionable business insights across revenue, customers, employees, and supply chain operations.
- Applied advanced SQL operations — JOIN, GROUP BY, aggregate functions (SUM, AVG, COUNT), and date functions to perform multi-dimensional business analysis across 10 analytical problem statements.

Delivered an executive-level SQL analysis report converting raw transactional data into 10 business insights covering revenue concentration, customer dependency, seasonal trends, and inventory gaps to support data-driven decision-making.

Cafeteria Sales Data Analysis — Python & Pandas | (Feb 2026)

- Performed end-to-end data cleaning and preprocessing on 10,000+ rows of raw cafeteria transactional sales data using Python and Pandas, ensuring data accuracy and integrity for downstream analysis.
- Conducted Exploratory Data Analysis (EDA) and identified that purchases between 2–7 units are the highest revenue contributors, while high-quantity purchases show reduced revenue efficiency due to bulk discounting behaviour.
- Derived 3 actionable business recommendations — tiered pricing strategy, limiting bulk discounts, and value-based pricing — to optimize revenue margins and improve sustainable sales performance.

EDUCATION

B. Tech – Mechanical Engineering | (July 2019 – April 2023)

Avanathi Institute of Engineering and Technology | CGPA: 7.18

CERTIFICATIONS

Exploring SAP Analytics Cloud — Record of Achievement | (Oct 2024)

Issued by SAP | Foundational Level | Credential: www.credly.com/badges/28b70f9c-22ce-4f3a-99a7-57d09312ef1b