

RAMYA SADINENI

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Statement

Computer Science graduate with knowledge in interpreting data, identifying trends, and converting findings into actionable insights. Eager to apply technical expertise in a data-driven environment to contribute to meaningful insights and informed business decisions.

Skills

Programming Languages: Python (Pandas, NumPy, Matplotlib, Seaborn, Plotly, Streamlit), Java

Databases: SQL, MySQL, SQLAlchemy

Visualization: Power BI (DAX, Slicers), Matplotlib, Seaborn

Tools: Microsoft Excel, Jupyter Notebook, Git

Web: HTML, CSS, JavaScript

Soft Skills: Collaboration, Communication, Problem solving

Professional Experience

Operations Data Assistant

Royal Mail - Angard Staffing Pvt Ltd – United Kingdom | August 2022- July 2025

- Catalogued and maintained daily operational data on scanned parcels, ensuring accurate reporting and enabling **data-driven decision-making** for workflow improvements.
- Leveraged **data insights** from miss-sorted parcel tracking to champion key process improvements, including enhanced training for 5 new data entry clerks and **optimized** warehouse layout for faster sorting.
- Drove efficiency in parcel sorting by automating Excel reports; enabling real-time performance monitoring and **optimized** shift planning that improved on-time delivery rates by **15%**.
- Automated data extraction and report generation using Excel, saving 12 hours per week in manual processing time for the logistics team while improving **data accuracy**.
- Collaborated with cross-functional teams and managers to communicate **attendance patterns, scan errors** and daily volume metrics-laying foundation for improved worked planning and resource allocation.
- Conducted weekly analysis of operational data, **identifying trends** in parcel volume and delivery times, and presented findings to management to optimize resource allocation.

Education

Master of Science in Advanced Computer Science

University of Leicester - United Kingdom | September 2020- January 2022

Graduated with Upper Second-Class Honours (**2:1**)

Bachelor of Technology in Computer Science and Engineering

Vasireddy Venkatadri Institute of Technology - India | August 2015 – May 2019

Graduate with Distinction (**81%**)

Projects

Telco Customer Churn Dashboard

Engineered an end-to-end churn analysis dashboard using Python and Streamlit to identify customer drop-off patterns and support retention strategies.

- Imported and explored the Telco Customer Churn dataset to understand data structure, feature types, and business context behind churn behavior.
- Performed thorough data cleaning: resolved missing and incorrect data types, removed nulls, standardized column formats.
- Conducted exploratory data analysis (EDA) using seaborn and Plotly to identify churn patterns related to contract types, tenure, billing methods, and service subscriptions.
- Engineered new features like numeric churn labels and tenure bins to support better visualization and analysis.
- Designed and crafted a fully interactive dashboard using Streamlit with filterable views, KPIs, and custom styled charts to support real-time business decision-making.

Northwind Sales Analytics Dashboard

Analyzed product sales and customer behavior using SQL and Power BI to deliver insights on profitability and retention.

- Connected to Northwind retail database using MySQL, and performed data profiling to understand relational schema across tables including customers, orders, products, and order details.
- Executed complex SQL queries using inner joins, common table expressions (CTEs), subqueries, and window functions to extract business-critical KPIs.
- Calculated and analyzed metrics such as customer lifetime value (LTV), average order value (AOV), monthly revenue trends, top-selling products, and order fulfillment times.
- Created repeat vs. new customer segmentation using SQL and DAX logic.
- Built interactive dashboards in Power BI using bar charts, line graphs, KPI cards, slicers, and calculated measures to deliver a visual report for stakeholder insights.

Retail Sales & Customer Insights Dashboard

Created a full-stack analytics workflow to track sales, customer value, and marketing performance for a fictional retail company.

- Developed a scalable **data model using star schema** with fact and dimension tables for retail sales reporting.
- Defined **custom DAX measures** to calculate KPIs including profit margin, total revenue, and YoY growth trends.
- Applied **data cleaning and transformation logic** in Power Query to accurate and consistent datasets.
- Designed an **interactive dashboard** using Power BI visuals with slicers for product, region, and date.
- Enabled **drill down and drill-through functionality** for deeper insights at store and product levels.

Certifications

- **Google Data Analytics Professional Certificate** – *Google*
SQL, spreadsheets, data cleaning, visualization, and data-driven decision making.
- **Career Essentials in Data Analysis** – *Microsoft & LinkedIn Learning*
Power BI, Excel, and effective communication of data insights.