BANDARU SIRISHA

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SUMMARY

Aspiring Data Analyst skilled in SQL, Python, Power BI, and Tableau with hands-on experience in building dashboards, detecting anomalies, and analyzing financial transactions. Strong in data cleaning, KPI-driven insights, and business storytelling to support decision-making. Adept at collaborating with stakeholders to translate business needs into actionable insights.

SKILLS

Programming & Query Languages: Python, SQL
Libraries & Frameworks: Pandas, NumPy, Seaborn, Matplotlib
Data Visualization Tools: Power BI, Tableau, Excel
Databases: MySQL
Platforms & Version Control: Google Colab, Jupyter Notebook, Git
Data Analysis Techniques: Data Cleaning, Exploratory Data Analysis (EDA), Statistical Analysis, Trend Analysis
Soft Skills: Problem Solving, Communication, Data Storytelling

PROJECTS

Banking Risk Analysis
- Preprocessed and structured customer transaction data through **data cleaning** and **exploratory data analysis (EDA)** in Python (Pandas, NumPy) on Google Colab.
- Investigated **patterns and anomalies** to detect fraudulent and high-risk behaviors, enhancing operational efficiency in fraud detection.
- Built **Power BI dashboards and SQL queries** to visualize **risk insights**, improving fraud detection accuracy and reducing potential financial losses by ~15%.

E-commerce Sales & Customer Behavior Analysis
- Performed **data collection, cleaning, and integration** using Python (Pandas, NumPy) and MySQL to build a scalable sales database.
- Conducted **trend analysis, customer segmentation, and product performance evaluation** using SQL queries and Python visualizations.
- Designed **interactive Power BI dashboards with KPI tracking** to deliver actionable **business insights**, improving decision-making and identifying opportunities that increased revenue by ~10%.

Healthcare Analysis
- Collected, cleaned, and organized hospital datasets into a **scalable MySQL database** to ensure efficient data integration.
- Conducted **EDA using Python (Matplotlib, Seaborn)** to analyze admission trends, demographics, and healthcare cost drivers.
- Developed **interactive Power BI dashboards with slicers and filters** to present **business insights** for hospital management, optimizing resource allocation and reducing costs by ~12%.

INTERNSHIPS

Data Visualization Virtual Internship – Forage

- Framed business scenarios to define stakeholder requirements and translated them into data-driven insights using tools like Excel and Power BI/Tableau.
- Designed and developed interactive dashboards and visualizations, selecting the right chart types to ensure accurate and impactful storytelling.
- Communicated insights effectively through data visualization and analysis, enabling stakeholders to make informed and actionable business decisions.

Deloitte Virtual Internship – Data Analytics – Forage

- Cleaned and analyzed structured/unstructured datasets using SQL & Python.
- Built Power BI dashboards to identify anomalies in financial transactions.
- Presented business insights for compliance & fraud detection.

EDUCATION

Bachelor of Technology (B. Tech) in Computer Science and Engineering   Nov 2021 – June 2025

- Vidya Jyothi Institute of Technology
- CGPA: 7.99

Intermediate – MPC   Jun 2019 – Mar 2021

- Sri Chaitanya Junior College
- Percentage: 88.4%

CERTIFICATIONS

- **SQL & Power BI Certification –** Simplilearn
- **Data Analyst Certification –** Udemy
- **MS Excel & Tableau Training –** Simplilearn
- **Python Essentials –** Cisco