

Banala Silas

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TECHNICAL SKILLS

- Python (Pandas, Numpy, Matplotlib, Seaborn)
- Microsoft Power BI (Dax, Power Query)
- Excel (VLookup, Conditional Formatting, Pivot Tables)
- NLP (Basics)
- MYSQL
- Web Scraping (BeautifulSoup)
- Machine Learning
- Statistics

EXPERIENCE

- **Data Analyst** [*AI Magix Chennai*] *Since April'24*
- **Bajaj Inspection**
 - **Developed and implemented** a high-quality, real-time Power BI dashboard for Bajaj company inspection analysis, **incorporating** live data from SQL Server and **validating** end-user experience to enhance decision-making and operational efficiency.
 - **Enabled end-users to monitor inspection statuses (pass, fail, overridden, pending)** in real-time, improving decision-making and operational efficiency.
 - **Produced, analyzed, and suggested actionable insights** through data visualizations that contributed to a 15% improvement in inspection accuracy and a 10% reduction in process delays, **adapting** the dashboard for optimal performance.
- **Kirloskar Brothers Limited (KBL) - Call Center Data Analysis**
 - **Designed and developed** a robust database in SQL Server for call center data, **creating and optimizing tables** to support efficient data storage and retrieval.
 - **Performed ETL processes in Power Query** and conducted **exploratory data analysis (EDA)** to prepare data for in-depth analysis and visualization.
 - **Developed and implemented** Power BI dashboards that **analyze customer calls**, providing actionable insights such as call summaries, next steps, recommendations, and customer satisfaction scores, improving decision-making and enhancing customer experience.

PROJECTS

- **IPL Win Prediction** [*Prof. Cruz Antony*] *Mar-Apr 2023*
 - **Developed and implemented** a high-quality IPL win probability predictor using a Random Forest algorithm, achieving an impressive accuracy rate of 92%. The model **incorporates** key variables such as the batting and bowling teams, target score, current score, wickets lost, and overs completed.
 - **Developed a predictive model** incorporating key performance parameters, delivering 80% accurate forecasts for cricket enthusiasts and analysts to evaluate team performance and predict potential match outcomes.
 - **Tech Stack:** Python, Pandas, Seaborn, Scikit-Learn, Web Scraping
- **Customer Sales Analysis** *November 2023*
 - **Utilized SQL** to extract data from 8 different related tables from customer sales databases using JOIN and VIEW. **Transformed and filtered data** by using aggregating and filtering functions to improve the reporting process.
 - **Loaded and visualized data** with Python to identify key business insights that can improve sales performance.
 - **Tech Stack:** Mysql, Python, Pandas, Matplotlib, Seaborn

EDUCATION

- **Sathyabama University, Chennai** *2020 – 2024*
- *Bachelor of Engineering CSE (with Data Science)* **CGPA: 9.4/10**

SOFT SKILLS

- Collaboration
- Analytical Thinking
- Communication
- Attention to detail