

Banala Silas

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EDUCATION

SATHYABAMA UNIVERSITY

Bachelor of Engineering
Majors in Computer Science With Data Science
Cumulative GPA: 9.4/10

Chennai, India

Sep 2020 – Aug 2024

Relevant Coursework: DBMS, Data Foundations, Data Analysis, Machine Learning, Data Visualization.

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 Apr 2024

Bajaj Inspection

- **Designed and launched** a comprehensive Power BI dashboard for **Bajaj company inspection analysis**, integrating live SQL Server data to streamline reporting processes, enhancing decision-making speed and accuracy for 25+ stakeholders.
- **Enabled end-users to monitor inspection statuses (pass, fail, overridden, pending)** in real-time, resulting in a 25% reduction in decision-making time and a 15% increase in 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

- **Collaborated and Created** a robust database in SQL Server for call center data, **creating and optimizing tables** to support efficient data storage and retrieval.
- **Executed** ETL processes in Power Query, transforming and cleansing 5000+ data records; enabled comprehensive exploratory data analysis that improved reporting accuracy and depth of insights for key business decisions.
- **Visualized and redesigned** 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.

UNIVERSITY PROJECTS

IPL Win Prediction [Prof. Cruz Antony]

Mar 2023 – May 2023

- **Fine-tuned 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.
- **Formulated 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.
- **Built** data pipelines using Python, Pandas, Seaborn, **implemented** machine learning , and **automated** web scraping.

Customer Sales Analysis [Prof. Cruz Antony]

Nov 2023

- **Utilized SQL** to extract data from 8 different related tables from customer sales databases using JOINS and VIEW. **Transformed and filtered data** by using aggregating and filtering functions to improve the reporting process.
- **Developed** comprehensive data visualization dashboards in Power BI, streamlining the analysis process for 10+ sales metrics which enhanced decision-making efficiency across teams by providing clear visibility into performance trends.
- **Administered** databases using MySQL and **crafted dashboards** in Power BI to generate actionable insights.