Sai Teja Yaruva

Kurnool, Andhra Pradesh, India

+91 9959490974   saitejayaruva2003@gmail.com   linkedin.com/in/saitejayaruva

Profile Summary

- Proven ability in analyzing large datasets, debugging SQL queries. and transforming data to drive business decisions.
- Proficient in creating compelling, interactive dashboards using Power BI, enhancing data accessibility and understanding.
- Strong command over Excel, SQL, Power BI, enabling efficient data manipulation and analysis.
- Experienced in data analytical tool through real time projects.

Education

G. Pulla Reddy Engineering College   *Kurnool, Andhra Pradesh*

Bachelor of Technology in CSE with specialization in Artificial Intelligence and Machine Learning   *Dec 2021-May 2025*

CGPA: 7.81/10.0 (no backlogs)

Relevant Coursework

- Data Analysis & Manipulation
- Data Visualization
- Database Management
- Requirement Elicitation
- Data Integrity
- Agile Methodologies

Projects

Real-Time Air Quality Monitoring & Forecasting System / *SQL, Python, Power BI, Machine Learning* GitHub Repository   Mar 2025

- Collected and processed **1M+ air quality records** from **real-time sensor data**, updating every **1 hour** in **MySQL**
- Developed an **interactive Power BI dashboard** with **10+ key visualizations**, tracking **PM2.5, PM10, CO, NO₂, and AQI trends**.
- Built **time-series forecasting models (ARIMA, LSTM, Facebook Prophet)** achieving **90%+ accuracy** in predicting AQI levels for the next **7 days**.
- Reduced data processing time by **40%** using optimized SQL queries and automated ETL pipelines in Python.
- Enabled real-time monitoring and **early warnings for high pollution levels**, supporting better decision-making.

YouTube Trending Videos Analysis | Machine learning Algorithms / GitHub Repository   Jan 2024

- Titles for 44% of popular videos feature at least one capital word, and titles for videos that have had over 100 million views usually range from 33 to 55 characters.
- Exceeded 90% accuracy in forecasting the popularity of videos using engagement metrics and title features.
- Views and likes showed significant relationships (over 85%), giving content producers useful information.

Technical Skills

Analytical Tools: Excel, Power BI, Power Query, Tableau

Technologies/Frameworks: Docker, Scikit-learn, Matplotlib, Seaborn, JIRA,

Languages: Python, SQL

Certifications

- Deloitte Australia Data Analytics Job Simulation -View Credentials
- Google Advanced Data Analytics, Coursera-View Credentials
- Microsoft Power BI Data Analyst Professional, Coursera-View Credentials

Extra-Curricular

Quantium Data Analytics Job Simulation on Forage   - View Credentials   Mar 2025

- Completed a job simulation focused on Data Analytics and Commercial Insights for the data science team.
- Developed expertise in data preparation and customer analytics, utilizing transaction datasets to extract valuable insights and deliver data-driven commercial recommendations.
- Extended analytical capabilities to identify benchmark stores for conducting uplift testing on trial store layouts, enabling evidence-based decision-making.
- Leveraged acquired data analytics and insights from previous tasks to create comprehensive reports for the Category Manager, facilitating informed strategic decisions and enhancing commercial applications.

Deloitte Australia Data Analytics Job Simulation on Forage - View Credentials   Mar 2025

- Completed a Deloitte job simulation involving data analysis and forensic technology
- Created a data dashboard using Tableau
- Used Excel to classify data and draw business conclusions