Sai Teja Yaruva

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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)

Projects

AI-Powered Fraud Detection & Risk Scoring System | Python, Scikit-learn, Power BI, Isolation Forest, Seaborn

GitHub Repository   Apr 2025

- Developed a full-stack fraud analytics system to detect and score suspicious financial transactions using machine learning and anomaly detection techniques.
- Implemented **Isolation Forest** to detect anomalies and built a custom risk scoring model using transaction patterns.
- Visualized insights in an **interactive Power BI dashboard** with key KPIs: high-risk users, distribution of fraud by country/device, anomaly trends.
- Discovered that mobile-based transactions and users from specific regions (e.g., UK, China) showed higher fraud patterns.
- Delivered actionable insights by integrating ML outputs into an analytics dashboard ready for stakeholder review.

Real-Time Air Quality Monitoring & Forecasting System | *SQL, Python, Power BI, Machine Learning*

GitHub Repository   Mar 2025

- Developed an end-to-end real-time air quality monitoring solution by collecting, preprocessing, and forecasting AQI data using Python, SQL, and APIs.
- Built an interactive **Power BI dashboard** to visualize pollution trends, hotspot areas, and comparative insights across locations.
- Implemented **Facebook Prophet** for accurate AQI forecasting, tuning hyperparameters for improved time-series prediction performance.
- Automated data ingestion and cleaning pipeline using **Pandas**, **NumPy**, and **SQL**; handled missing data and outliers.

Experience

Quantum 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

Technical Skills

Analytical Tools: Power BI, Excel, Power Query, Jupyter Notebook
Technologies/Frameworks: Scikit-learn, TensorFlow, Keras, Statsmodels, Matplotlib, Seaborn, Plotly, NLTK, spaCy
Languages: Python, SQL
Database: MySQL, PostgreSQL
Machine Learning & Analytics: LSTM, ARIMA, K-Means, Regression Models, Classification Models, Reinforcement Learning
Business Domains: Retail Analytics, Stock Market Analytics, HR Analytics
Version Control: Git, GitHub
Other Tools: Power BI DAX, Python EDA Libraries (Pandas, NumPy)

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