Deepak Reddy

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SUMMARY

Data Analyst with 3 years of experience building scalable data solutions, optimizing SQL queries, that improve business outcomes. Skilled in **SQL, Python, PySpark, Power BI**, and cloud platforms (AWS, Azure). Proven track record of **cutting ETL runtimes by 40% and reducing manual reporting by 40%**. Experienced in dashboard development and KPI tracking support decision-making. Certified in Power BI , Neo4j, with a strong focus on process efficiency, and continuous learning.

PROFESSIONAL EXPERIENCE

Cognizant Technology Solutions, Data Analyst   Aug 2022 - Present
- Utilized advanced data analysis techniques to extract and analyze structured and semi-structured data from multiple sources (**CSV, JSON, REST APIs**), uncovering key trends that **drove a 14% increase in process efficiency**.
- Designed and deployed interactive dashboards using **Grafana and Power BI**, enabling real-time KPI monitoring and reducing **manual reporting workload by 40%** through automation.
- Mentored a junior analysts on Python automation and Power BI best practices, **reducing their ramp-up time by 50%** and establishing team coding standards
- Streamlined ETL workflows for data extraction, transformation, and loading using **Python (Pandas)**, **reducing data processing time by 40%** while enhancing data consistency and reliability.
- Implemented validation checks and automated alerts for ETL pipelines, ensuring **99% data accuracy across reporting dashboards**.
- **Optimized SQL queries with CTE(Common Table expression)** to generate weekly product engagement KPIs, reducing runtime from **1 hour to 20 minutes**.
- Led the end-to-end lifecycle of software quality metric reporting , integrating **Neo4j, SQL** for based analysis and **Power BI** for visualization, **contributing to a 15% acceleration** in project delivery timelines.
- **Improved release lead time by 12%**, which directly reduced **downtime risk and improved user experience**.

SKILLS

- **Languages**: SQL, Python, Cypher Query Language, DAX, M-Query, Advanced Excel
- **Tools**: Power BI, Grafana, GitHub, Microsoft Excel, Databricks
- **Database**: MySQL, PostgreSQL, Neo4j, MongoDB, Microsoft SQL Server
- **Cloud Technologies:** AWS(EC2, Glue, S3, Lambda, Neptune), Azure(Blob Storage, Virtual machine, Functions)
- **Libraries:** Pandas, Matplotlib, Seaborn, PySpark, Numpy, APOC
- **Analytics Skills:** Dashboard Development, Data Cleaning, Data Modeling, Data Manipulation, Data Profiling, A/B Testing
- **Business Skills**: Stakeholder Communication, Statistical Analysis, Cross-functional Collaborations, Prompt Engineering

PERSONAL PROJECT

Yelp Data analysis ([kaggle](#)**)**
- **Engineered data processing pipelines using PySpark, SQL** to handle large-scale Yelp business datasets with **1 million records**, optimizing query performance and **reducing processing time by 60%** through distributed computing frameworks.
- **Conducted comprehensive market analysis** across 50+ cities and 3 business categories, identifying **12 underserved markets** with high growth potential through statistical correlation analysis.

CERTIFICATIONS

- **Tools:** Microsoft Certified: Power BI Data Analyst Associate **(PL-300)**
- **Database:** Neo4j Certified Professional
- **Cloud:** AWS Cloud Practitioner **(CLF-C01)**, Microsoft Certified: Azure Data Fundamentals **(DP-900)**, Microsoft Certified: Azure Fundamentals **(AZ-900)**

EDUCATION

Velammal Institute of Technology CGPA: 8.11   Oct 2018 - June 2022
Bachelor of Technology in Information Technology
- **Modules:** Data Analysis, Big Data, Data Structures and Algorithms, Agile Methodologies, Python Programming, SQL