Deepak Reddy

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SUMMARY

Data Analyst with 3 years of experience transforming DevOps and engineering data into strategic business insights. Proven track record of improving operational efficiency ,reducing manual processes , and enhancing data integrity through automated pipelines, interactive dashboards, and advanced analytics. Expert in Python, Power BI, Grafana, and Neo4j, with demonstrated ability to drive data-driven decision making across cross-functional software delivery teams.

SKILLS

- **Languages**: SQL, NoSQL, Python, Cypher Query Language, DAX, M-Query, Advanced Excel
- **Tools**: Power BI, Grafana, GitHub, Microsoft Excel, Git, Databricks
- **Database**: MySQL, PostgreSQL, Neo4j, MongoDB, Microsoft SQL Server
- **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, Domain Knowledge, Statistical Analysis, Cross-functional Collaborations

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**, enabling real-time KPI monitoring and reducing **manual reporting workload by 40%** through automation.
- Streamlined ETL workflows for data extraction, transformation, and loading using **Python (Pandas)**, **reducing data processing time by 40%** while enhancing data consistency and reliability.
- Conducted comprehensive analysis of GitHub branching structures across **40+ repositories**, identifying inefficiencies and reducing merge conflicts, **resulting in a 35% improvement** in branch integrity.
- Led the end-to-end lifecycle of software quality metric reporting for ARES projects, integrating **Neo4j** for graph-based analysis and **Grafana** for visualization, **contributing to a 15% acceleration** in project delivery timelines.
- Analyzed large-scale datasets from multiple disparate sources to detect patterns, bottlenecks, and anomalies, **improving data accuracy and integrity by 30%**.
- Drove a **12% optimization in lead time metrics** by identifying inefficiencies through detailed data analysis and presenting actionable, data-driven recommendations to stakeholders.

PERSONAL PROJECT

Yelp Data analysis ([kaggle](#)**)**

- **Engineered data processing pipelines using PySpark** 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.
- **Automated workflows** for data cleaning and standardization using regex patterns, **reducing data inconsistencies by 70%** and ensuring high-quality datasets for downstream 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: 8.18   Oct 2018 - June 2022
Bachelor of Technology in Information Technology

- **Modules:** Data Analysis, Big Data, Data Structures and Algorithms, Agile Methodologies, Python Programming, SQL