

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 by 12%, reducing manual processes by 40%, and enhancing data integrity by 30% 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.

PROFESSIONAL EXPERIENCE

Cognizant Technology Solutions, Data Analyst

Aug 2022 - Present

- Applied data analysis techniques to extract and analyze data from various sources (CSV, JSON, REST APIs), identifying key trends and providing insights that **led to a 14% improvement** in process efficiency.
 - Developed and implemented interactive dashboards using **data visualization tools like Grafana** to track key performance indicators (KPIs), automating reporting processes and **reducing manual effort by 40%**.
 - Automated ETL processes for data cleaning and transformation using scripting languages such as **Python (with Pandas)**, reduced **processing time by 40%** and ensured data quality.
 - Analyzed GitHub branching patterns **across 30+ repositories**, identifying merge bottlenecks and **improving branch integrity by 35%**.
 - Managed the planning, execution, and reporting of ARES software quality metrics, leveraging **Neo4j for data analysis** and **Grafana for visualization**, contributing to a **15% improvement in project delivery** timelines.
 - Examined patterns and trends in large datasets across multiple sources, identifying key bottlenecks and **contributing to a 30% improvement** in data integrity.
 - Optimized key lead time metrics by **12% through in-depth analysis of relevant data points** and providing data-driven recommendations for process optimization.
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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.
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SKILLS

- **Languages:** SQL, NoSQL, Python, Cypher Query Language, DAX, M-Query, Advanced Excel
 - **Tools:** Power BI, Grafana, GitHub, Microsoft Excel, Git, Jupyter Notebook
 - **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
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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**)
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EDUCATION

Velammal Institute of Technology

Oct 2018 - June 2022

Bachelor of Technology in Information Technology

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