# Deepak Reddy

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## SUMMARY

Data Analyst with 3 years of experience transforming 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.

## 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.

## 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

## 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**                                                    Oct 2018 - June 2022

Bachelor of Technology in Information Technology

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