

# TEJASHWINI MYKALA

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## PROFESSIONAL PROFILE

Data professional with over two years of experience in transforming complex datasets and automating data pipelines. Skilled in Python and leveraging data insights to enhance system efficiency, now transitioning to Gen AI engineering. Demonstrated ability in dynamic dashboard development and quality frameworks, with a strong foundation in machine learning fundamentals. Eager to contribute technical expertise to advance next-generation AI applications and optimize LLM-based solutions.

## EDUCATION

### University of North Texas, Denton, TX

*Master's, Information systems and technologies*

- **GPA:** 4.0

**Aug 2023 - May 2025**

*Denton, Tx*

### Malla Reddy Institute of Technology and Science

*Bachelor of Technology, Electronics and Communication*

**May 2021**

## EXPERIENCE

### University of North Texas

*Teaching Assistant - Data Visualization*

**Jan 2024 - May 2025**

*Denton, TX*

- Facilitated learning of data visualization techniques using Python libraries, Tableau, and Power BI, aligning with modern data processing trends.
- Guided students in effective data storytelling, dashboard design, and visual communication to improve analytical insights.
- Assisted in grading assignments and provided personalized mentoring to encourage proficiency in technical and analytical skills.
- Collaborated with the instructor to develop comprehensive learning materials and conduct interactive lab sessions.

### DXC Technology

*Analyst II*

**Jun 2021 - Aug 2023**

*Hyderabad, India*

- Engineered ETL processes by extracting, transforming, and loading large datasets from SQL Server and Oracle databases using advanced SQL queries and Python scripts, ensuring 99.9% data accuracy.
- Developed dynamic dashboards and automated reports in Tableau and Power BI, expediting business decision cycles and reducing report generation time by 50%.
- Conducted in-depth analysis on storage usage and performance metrics to identify bottlenecks, resulting in a 20% increase in data processing efficiency.
- Instituted data quality frameworks and validation routines that decreased data inconsistencies by 30%, delivering reliable analytics for senior management.
- Collaborated with business stakeholders to define KPIs and design tailored visualizations that enhanced transparency and supported strategic planning.
- Managed Active Directory domain migration across multiple Unix/Linux environments, enhancing security compliance and reducing access-related incidents by 40%.

## PROJECT

### Sales Dashboard Insights

*University of North Texas*

**Jan 2025 - May 2025**

*Denton, TX*

- Collected and cleaned a large sales dataset from Kaggle using Python and SQL, improving data accuracy by 98% for reliable analysis.
- Developed interactive sales dashboards in Power BI and Excel, enabling stakeholders to track key performance metrics and trends, reducing manual preparation time by 50%.
- Conducted detailed sales trend analysis using statistical techniques and visualizations, identifying top-performing products and regions that contributed to a 15% increase in targeted marketing effectiveness.

## SKILLS

- **Technical Skills:** SQL, Python, Excel, Tableau, Power BI, GenAI / Agentic AI, REST APIs, Large Language Models, Machine Learning
- **Analytical & Communication Skills:** problem-solving, statistical analysis, data visualization, stakeholder communication, Willingness To Learn