

# Jagadeeshwari Mandapalli

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## Summary

Results-driven Applied Analytics graduate student with strong experience in data analysis, visualization, and project management. Demonstrated ability to deliver actionable insights and lead cross-functional teams. Proven success in developing predictive models and database solutions that improve business performance. Strong communicator and quick learner with a passion for problem-solving and making data-driven decisions.

## Education

### Master of Science in Applied Analytics

Aug 2023 – May 2025

Saint Louis University, USA

Coursework: Algorithms, Database Management Systems, Project Management, AWS, Applied Machine Learning, Predictive Modeling, MS SQL, Python, Data Visualization.

## TECHNICAL SKILLS

Programming	: Python, R
Databases and Cloud	: MySQL, NoSQL-MongoDB, AWS
Libraries and Tools	: NumPy, Pandas, TensorFlow, Scikit-Learn, Matplotlib, potly
Platforms and Tools	: Power BI, Excel, SPSS, Trello

## EXPERIENCE

### Data Visualization Intern | Saint Louis University | United States

Mar 2025 - May 2025

- Led a dedicated team of 5 data specialists to develop automated **data pipelines** and **real-time Power BI dashboards**, reducing manual reporting efforts by 80% and boosting data accessibility across departments.
- Improved data accuracy by 95%** through end-to-end integration, **SQL/Python**-driven quality assurance, and workflow optimization ensuring **secure and compliant** data management practices.
- Recognized as a **Star Performer** for outstanding contributions, problem-solving skills, and effective communication with both technical and non-technical audiences.

### Project Management Intern | Saint Louis University |

Jan 2025 - Mar 2025

- Collaborated with a global team of 15 members to deliver the Excelerate Virtual Experiential Training Conference, managing 100+ tasks using **Trello** and **Asana**.
- Applied **Agile**, **Scrum**, and **Waterfall** methodologies; developed **Gantt charts** and conducted **risk assessments**, reducing project delays by 15% and ensuring 100% on-time delivery.
- Managed project **budgeting**, identifying cost-saving measures that resulted in \$20,000 savings while supporting **workflow optimization** and efficient **resource allocation**.
- Reported** regularly to stakeholders, presented actionable **data visualizations**, and drove cross-functional **collaboration**, improving team efficiency by 20% and impacting 500+ participants. Recognized as a **Star Performer** for outstanding contributions, problem-solving skills, and effective communication.

### Finance Analyst | L&T Pvt Ltd | India

Sep 2022- Dec 2022

- Collaborated with senior managers and a 20-member team to drive capital budgeting, building advanced financial models and analyzing complex datasets for investment decisions. Delivered actionable insights that optimized resource allocation and improved business outcomes.
- Leveraged MS Excel, Power BI, Tableau, SAP, and SQL to automate reporting, strengthen internal controls, and implement process improvements. Enhanced financial planning accuracy and operational efficiency through data-driven strategies.

## KEY PROJECTS

### Predicting School Safety Using Machine Learning Algorithms | Python | Machine Learning | Scikit-Learn | EDA

- Built and evaluated multiple machine learning models to predict school safety levels with strong accuracy.
- Identified the most influential factors affecting school safety through data-driven analysis.
- Developed a reproducible pipeline for data preprocessing, model training, and result interpretation.

- Published a peer-reviewed paper summarizing the methodology and findings.

**Customer Orders Database Solutions | MS SQL Server |Python| Excel| MS Word| T-SQL| Microsoft Visio| Data Migration Assistant**

- Designed and implemented normalized relational database schemas in MS SQL Server using Microsoft Visio for ERD modeling, ensuring efficient management and integrity of customer orders and inventory data.
- Developed complex TSQL queries and automated data processing tasks with Python, leveraging Data Migration Assistant to streamline database migration and maintain data consistency across environments.
- Utilized Python and Excel for data visualization and analysis, and used Word for documentation, delivering comprehensive reports and interactive dashboards that enabled actionable business insights for stakeholders.

**Adventure Works Sales Analysis Dashboard| Power BI| Microsoft Excel| DAX| Power Query| CSV**

- Imported and cleaned raw CSV sales data in Power BI, applying advanced data transformation techniques and building robust data models with accurate relationships to ensure data integrity.
- Designed and developed interactive dashboards and compelling visualizations, translating complex datasets into actionable insights for key sales KPIs, trends, and performance metrics.
- Interpreted business-critical KPIs and presented findings to stakeholders, enabling data-driven decision-making and demonstrating expertise in Power BI's DAX, visualization, and reporting capabilities.

**CERTIFICATIONS & LEADERSHIP**

**Pandas**  
**Star Performer, Data Visualization and Project Management intern**  
**Fundraising Volunteer, NGO-Save the Children**

**Oct 2024**  
**May 2025**  
**Sep 2023 -Oct 2023**