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 Tools4Logistics 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 **Oct 2024**
Star Performer, Data Visualization and Project Management intern **May 2025**
Fundraising Volunteer, NGO-Save the Children **Sep 2023 -Oct 2023**