**MADHURI POTHU**

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**PROFILE**

A dedicated master’s in information systems with a strong data visualization and analysis foundation. Experienced in utilizing Excel and programming tools to derive insights from complex datasets. Passionate about applying analytical skills to address real-world challenges, including climate change and community development

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**EDUCATION**

**Saint Louis University,** St. Louis, MO May 2025

Master of Science in Information Systems GPA: 3.85

**RELEVANT COURSEWORK**

Visualization, Feedback and Dissemination, Mobile and Web application development, Information systems strategy and management, Enterprise architecture, Secure enterprise management, Information retrieval, Ethical evidence-based decision-making, and Software development.

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**EXPERIENCE**

International Career Ambassador in Career Services, Saint Louis University

**Student Worker**  June 2024 - Present

* Presented to international students on career-related topics and reviewed and approved resumes and other documents on the Handshake database.
* Assisted students stopped by the suite for assistance (i.e. drop-in hours); implemented career ambassador presentations/events to educate international students about appropriate resumes and cover letters.

Data Visualization, Excelerate

**Intern**  January 2024 – February 2024

* Analyzed datasets to generate meaningful insights using data visualization tools and techniques
* Learned how to effectively present data insights to stakeholders, enhancing our practical skills in data storytelling and visualization techniques.

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**PROJECTS**

**Sales Performance Analysis** December 2023

* Analyzed the sales performance of 20,000 employees using **Excel** to identify trends and patterns,

enabling a 20% faster understanding of sales performance.

* Summarized total sales with 3 charts using the dimensions region, product category,

and time, allowing the user to identify key metrics impacting sales dynamically.

* Interpreted trends in 2 complex data sets by finding correlations and visualizing the results

using **SQL** and **Tableau**.

**Carbon Deforestation Impact Analysis** August 2024

* Analyzed 20 years of global deforestation data, providing insights into carbon emission trends and environmental impacts
* Utilized statistical models (regression, clustering) in Python to identify key patterns in the dataset

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**SKILLS**

**Programming Languages**: SQL, Python, R, JavaScript

**Data Analysis Tools**: Microsoft Excel, Visual Studio Code, Tableau, Power BI

**Technologies**: AWS Cloud, HTML/CSS, DOM Manipulation

**Statistical Techniques**: Regression Analysis, T-tests, Forecasting, Clustering, Random Forests

**Other Tools**: Data Visualization, Machine Learning Models, ETL, Data Preparation & Pipelines

**Analytical Skills:** Data analysis, problem-solving, process improvement

**Communication:** Strong written and verbal skills, leadership, teamwork

**CERTIFICATIONS**

Google Data Analytics Professional Certificate (Google, Coursera) February 2024