

Jayashree Dommara

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A results-driven Decision Scientist with a passion for leveraging data to guide strategic decision-making and help organizations make informed choices leading to tangible outcomes.

EDUCATION

University of Illinois Urbana Champaign, Gies College of Business

Champaign, IL

Master of Science in Business Analytics, GPA: 3.85/4.0

August 2023- May 2024

St. Joseph's College of Engineering

Chennai, India

Bachelor of Science in Electronics & Communication Engineering, CGPA: 8.48/10.0

August 2015- April 2019

PROFESSIONAL EXPERIENCE

Mu Sigma Business Solutions

Bangalore, India

Apprentice Leader (Leadership Experience)

September 2022- June 2023

- Managed a team of 8 decision scientists and maintained internal ecosystem for tracking the lifecycle of a project
- Conducted strategic research and generated business development proposals for client engagement
- Trained and upskilled new members in the team to accelerate onboarding process

Decision Scientist

September 2019- September 2022

Delivered end to end data-driven solutions to a fortune 10 oil and gas firm in the following projects:

- **Sequence Optimization:** Developed a solution that provided optimal drilling and completions schedule based on various business conditions using genetic algorithm which led to reduction in manual effort & a financial outcome of ~\$120 MM. **Tech:** Python, Azure
- **Price Prediction:** Automated the existing method of intuition based marine vessel price prediction by leveraging machine learning models to make efficient contracting decisions for supply chain management team that helped the business save ~\$50MM annually. **Tech:** Python, Azure, PowerBI
- **Cyber Resiliency:** Enhanced UI/UX of cyber resiliency dashboard by including KPIs of business continuity, cyber resiliency plans of all applications in the organization, leading to increased visibility to business stakeholders. **Tech:** PowerBI(DAX)
- **Digital Twin:** Created an interactive web application to perform univariate and bivariate data cleaning on well sensor data to predict well sanding events that lead to catastrophic damage. **Tech:** Python, Dash

ACTIVITIES & OTHER RELEVANT EXPERIENCES

UIUC - Graduate Student

August 2023- May 2024

- **Graybar - New Stock Request Ranking:** Constructed a predictive model to rank new sales request item to efficiently plan and prioritize sales requests. *Classification models used:* Decision Trees, Random Forest, Light GBM. **Tech:** Python
- **NFT Analysis:** Analyzed the sales of the Ethereum based AZUKI NFT by building a dashboard in Flipside with SQL queries. Stored the Flipside NFT data in MongoDB and connected it to Knime to design analysis workflow. **Tech:** SQL, Flipside, Knime, MongoDB
- **House price Prediction:** Built a Light GBM model to predict the housing prices of COOK County with neighborhood characteristics. **Tech:** R, AWS
- **Discovery Partners Institute:** Devised a database and utilized LLM models to develop a unified tool to streamline grant tracking, matching process of the research initiatives. **Tech:** Python, Dash

PROGRAMS, SKILLS & LANGUAGES

Skills: Machine Learning, Excel (Advanced), PowerBI, Dash, Knime, Azure, AWS, Project Management

Programming: Python, SQL, R

Certifications: Microsoft Azure Fundamentals, Basic Proficiency in Knime Analytics Platform

Languages: English, Telegu, Tamil, Hindi