

Majdi Mariano

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EDUCATION

Rensselaer Polytechnic Institute – Troy, NY

M.S. Business Analytics | 12/22

- GPA: 3.83
- Relevant Coursework: Machine Learning, Deep Learning, Neural Networks, Natural Language Processing, Predictive Analytics

Rensselaer Polytechnic Institute

B.S. Business Management, Minor in Economics | 5/21

CERTIFICATIONS

IBM Data Scientist Professional Certificate, Coursera

- Completed coursework in AI/ML techniques, including neural networks, deep learning, classification, clustering, and model deployment using Python (TensorFlow, Scikit-learn).

WORK EXPERIENCE

SI Group, *Research Analyst* | Schenectady, NY

3/24 – Present

- Analyze 1M+ row datasets sourced from SAP using Python and Power BI to manage price changes for packaging and MRO materials, addressing data quality challenges via advanced preprocessing and modeling.
- Lead analyst for MRO Inventory Reduction initiative, targeting \$7M inventory reduction, applying forecasting techniques to optimize procurement strategies and drive year-over-year savings.
- Develop and deploy interactive Power BI dashboards to visualize pricing trends and savings, presenting findings to C-suite executives to inform strategic decisions.
- Collaborate with cross-functional directors in Indirect Procurement to define KPIs and enhance data-driven processes, improving operational cost by 10%.
- Create scalable Python scripts for ad-hoc price change analysis, streamlining execution processes.

Plug Power, *Data Analyst* | Slingerlands, NY

2/23 – 3/24

- Built and deployed 20+ Power BI dashboards using complex SQL queries to enhance manufacturing efficiency and inventory accuracy, auditing \$1B+ in inventory cycle count records.
- Developed a companywide safety incidents dashboard, reducing workplace injuries by 10% through data driven insights.
- Spearheaded data reliability initiatives, achieving 98% data accuracy to support critical business decisions.
- Partnered with cross-functional teams to establish KPIs aligned with manufacturing and safety objectives.

SKILLS & INTERESTS

- **Programming & Tools:** Python (Pandas, Scikit-learn, TensorFlow, Matplotlib), Next.js, Typescript, SQL, Power BI, Databricks, SSMS, Microsoft Azure, Cursor, Excel, DAX, Power Query M
- **Data Science & AI/ML:** Predictive Modeling, Clustering, Classification, Forecasting, Statistical Analysis, Data Preprocessing, Data Visualization, Neural Networks, Deep Learning
- **Interest:** Golf; Weightlifting; EPL; Travel; Live Music