

DHARMI GALA

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Education

The University of Chicago

Chicago, Illinois | December 2023

Master of Science in Applied Data Science – 4/4 GPA

Top 10% of class; **Coursework:** Statistical Analysis, Data Science for Consulting, Data Engineering Platforms, Data Mining Principles, Linear and Non-Linear Models, Big Data Platforms, Machine Learning, Time Series Analysis, Data Visualization, Natural Language Processing, ML Operations, Bayesian Networks.

Narsee Monjee Institute of Management Studies

Mumbai, India | May 2021

Bachelor of Science in Applied Statistics & Analytics – 3.98/4 GPA

Dean's List (Top 5% of class); **Projects:** Visual Text Extraction using OCR, Time Series Analysis on ice cover extent over Greenland

Skills

Languages: Python, R, SQL, NoSQL (MongoDB, Neo4j), Git, HQL, C

ML/AI Libraries: PyTorch, LangChain, Scikit-learn, Tensorflow

Data Engineering & BI: Oracle, Power Automate, Azure Machine Learning Studio, Alteryx, Power BI, Tableau

Cloud Technologies: Azure, GCP, Docker, Kubernetes, Snowflake, Dataiku

Professional Experience

JLL | Business Analyst

Chicago, Illinois | Jan'24 – Present

- Initiated and led the deployment of automation initiatives, achieving a 50% improvement in data collection and cleaning efficiency using Databricks and Power BI, servicing multiple client projects.
- Conducted an in-depth data analysis on Excel for work orders across 3000+ facilities, which uncovered key patterns and insights, resulting in a 30% enhancement in operational efficiencies and the adoption of best practices for client facilities management.

NXP Semiconductors | Enterprise Data Analyst Intern

Austin, Texas | Jun'23 – Dec'23

- Enabled precise resource prediction by orchestrating a Compute Resource Forecasting system on Dataiku for 200+ users utilizing Azure ML Studio for each machine learning model execution, facilitating strategic, cost-effective decisions for the administrative team.
- Elevated report quality by 35% through the implementation of a Power BI Report Self-Vetting process for over 8700+ organizational reports, integrating detailed data collection and user profiling, while conserving valuable resources.
- Achieved 50% better compliance by spearheading an audit process utilizing Power BI logs through Power Automate and Office scripts; also introduced a Governance Matrix to enable informed, proactive actions.

Deloitte | Associate Analyst – Strategy & Analytics

Mumbai, India | Jul'21 – Jul'22

Data Engineering and Analytics

- Boosted sales by 50% by enhancing 10+ Tableau dashboards with strategic enhancements, delivering a customized solution that empowered clients to track sales through 5+ KPIs and leadership to analyze individual and overall performance.
- Responsible for designing and implementing automated data ingestion & curation pipelines to enable visual analytics delivery for a leading pharmaceutical company, manufacturer of the COVID vaccine.
- Conducted data profiling to integrate a new source, and validated data across all ETL layers in the pipeline to guarantee consistent flow, ensuring the accuracy and reliability of the data.

Quality Assurance and Process Improvement

- Led quality assurance with thorough unit/integration tests, and resolved edge bug cases for pipeline/dashboard, resulting in improved functionality.
- Developed comprehensive solution documentation that improved inter-team and cross-team collaboration, leading to more efficient and effective project execution.

Client Engagement and Leadership

- Spearheaded the development of wireframes and requirement gathering with the client, to develop a customer analytics solution on Tableau that aided the client in retaining customers more efficiently and proactively.
- Demonstrated expertise in the solution through successful training sessions to the client and delivered a demo to an audience of over 100, including Deloitte Leadership.
- Managed the creation of a detailed data dictionary, which facilitated improved data modeling and patient tracking analytics.

Project Work

Automatic Bayesian Network Construction from Natural Language Prompts

Mar'23 – Dec'23

- Developed a bespoke AI solution enabling individual traders to assess market risks by constructing Bayesian Networks and calculating real-time probabilities via APIs, thereby facilitating informed decision-making in financial trades.

Forecasting NYC Yellow Taxi Prices and Demand

Jan'23 – Mar'23

- Utilized clusters on Google Cloud Platform to analyze 29 GB of NYC Yellow Taxi trip data using Spark, to identify price sensitivity and demand forecasting trends. Conducted feature engineering and developed regression models to predict cab fares and demand based on location and time.

Extra Curriculars & Awards

- Engaged in the University of Chicago's Data Science Club, leading projects, and events to promote a culture of data-driven innovation.
- Recipient of two Applause awards from Deloitte for exemplary performance within the duration of eight months.