

Harigovind Padmarajan

(469) 456-6154 | harigovind.padmarajan@utdallas.edu

[LinkedIn](#) [GitHub](#) [Personal Website](#)

PROFESSIONAL EXPERIENCE

Tredence Analytics Solutions Inc.

Oct '19 - Nov '21

Data Scientist (Client 1)

- Developed advanced analytical tools & solutions to optimize the Last Mile Delivery (LMD) performance for the largest U.S retailer saving \$2Mn/week.
- Designed SVM and Random Forest models to forecast two-week online order volumes, improving Spark Delivery Rate (SDR) by 7%.
- Designed a Tableau dashboard providing insights into sales trends and driver demand, leading to informed hiring decisions and a 3% increase in delivery partner engagement.
- Optimized customer choice module algorithm achieving a 3% increase in acceptance rates through enhanced user experience customization.
- Achieved a 7% cost savings in sub-revenue by developing an algorithm based substitution suggestions for product alternatives on the online ordering platform.

Data Analyst (Client 2)

- Led the strategic revamping of business operations using data-driven insights improving revenue performance by 6%.
- Implemented data -driven customer segmentation using clustering algorithms, resulting in 17% increase in conversion rate.
- Developed a time series model (ARIMA) to optimize Revenue Per Available Room resulting in a 9% increase in Average Profit Margin.

Data Scientist (Client 3)

- Spearheaded the strategic overhaul of product delivery workflow, reducing lead time from ~18 days to 11 days.
- Designed automated dashboards optimizing the delivery routes for in-house fleet to improve on-time delivery by 65%.
- Identified the top reasons impacting stockout in NAM & EMEA warehouses and distribution centers by defining KPIs and building 10+ automated dashboards. (SQL, Tableau)
- Proposed 15+ strategic geographic locations to Account Managers, identifying potential markets for expansion and new product market through a Market Potential Algorithm. (Multiple Linear Regression)
- Implemented PySpark and Apache Airflow data pipelines from Hadoop data lake, enabling near-real-time interactive dashboards for 170+ stakeholders.
- Developed an Advanced Excel tool for executive decisions, enabling analysis of mergers and acquisitions (M&A) through comprehensive cost-benefit analysis. (VBA, Macro)

EDUCATION

University of Texas at Dallas, US

M.S. Business Analytics, Applied Machine Learning

May '24

GPA – 4.0/4.0

National Institute of Technology Calicut, India

B.S. Chemical Engineering

CERTIFICATIONS

R, Deploying Scalable ML for Data Science, Python Object Oriented Programming

SKILLS

Data Analytics & Visualization: SQL, NoSQL, Python, R, Tableau, PowerBI, Qlik Sense, Numpy, Pandas

Machine Learning AI: Linear Regression, Logistic Regression, Decision Trees, Random Forest, NLP, Deep Learning, Statistical Inference, Numpy, Pandas, Predictive Modelling, Causal Inference, Scikit Learn, Prescriptive Analytics

Big Data: AWS, Azure, Apache PySpark, Airflow, Apache Kafka, Hadoop, Oracle, Hive, Terradata

Core Competencies: Exploratory Data Analysis, Data Modelling, Data Warehouse, Automate Reporting, Data Visualization, Operations Management, Data Validation, KPI Development, Project Management