RISHAPP RAJESH

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EDUCATION

The University of Texas at Dallas, TX, USA — May 2024
Master of Science, Business Analytics — **GPA: 3.65**
***Relevant coursework**: Predictive Analytics, Prescriptive Analytics, Data Visualization, Big Data, Advanced Statistics*
***Teaching Assistant**, Business Development and Communication* — *January 2024 - Present*
***Member**, Business Analyst Leadership Council (BALC)* — January 2023

Rajalakshmi Engineering College, Chennai, India — May 2022
Bachelor of Engineering, Computer Science& Engineering — **GPA: 3.8**

TECHNICAL SKILLS

Technical Skills: SQL, MS Excel, Tableau, R programming, Python, MongoDB, ETL pipelines, Power BI, Git, Confluence, GCP
Certifications: Tableau Fundamentals , Case Study: Analyzing Customer Churn in Tableau , Intermediate SQL , From Data to Insights with Google Cloud , Supervised Learning in R: Classification , Exploratory Data Analysis in R

WORK EXPERIENCE

GOLDMAN SACHS, Dallas, TX, USA — June 2023 – August 2023
Data Analyst– Asset and Wealth Management

- Collaborated with a team of quantitative analysts to design and implement Value- at-Risk and stress testing models by using Monte-Carlo Simulations in MS EXCEL to mitigate risk in various investment portfolios.
- Assisted in the development of alpha-generating strategies by conducting extensive research on financial markets and analyzing historical data using SQL and Python increasing trading profitability by 15%.
- Implemented mean-variance optimization and risk-parity frameworks by using Matplotlib, Seaborn in Python to maximize risk-adjusted returns for clients.
- Conducted ad-hoc analysis of market trends and presented findings in a clear and concise manner by developing interactive dashboards using Tableau to improve the decision- making process.

WE DEFINE NET, Chennai, India — March 2021 – August 2021
Data Scientist – E Commerce Development

- Utilized scalability and computing power of Google cloud platform to process and analyze bigdata enabling high speed data transfer.
- Managed version control and collaborative projects using Git ensuring seamless collaboration with the team.
- Implemented data pipeline automation using ETL pipelines resulting in a 25% increase in data update frequency and ensuring real time availability for decision makers.
- Designed and developed Power BI dashboards to track customer acquisition metrics, resulting in a 30% increase in visibility and decision making amongst management executives.

PROJECT EXPERIENCE

Predictive Maintenance of Tolling Industry, Electronic Transaction Consultants, LLC (ETC), USA — March 2023

- Spearheaded a capstone project of enabling proactive maintenance interventions by utilizing Python Machine Learning tools such as scikit-learn and TensorFlow to achieve a 20% reduction in equipment downtime.
- Created interactive and visually engaging Tableau Dashboards that displayed predictive maintenance insights generated by Python machine learning tools.

Retail Data of a Coffee Chain, University of Texas -Dallas, United States — November 2022

- Pioneered a group of 5 to perform exploratory data analysis on different KPIs that are significant to a coffee shop business and to assist in proactive decision-making for the future.
- Utilized data preprocessing and data handling methods for preparing the data to generate reports exhibiting the trends of various metrics over time and built prediction models to forecast sales using MySQL and MongoDB.

EXTRA CURRICULAR ACTIVITIES

Jatayu Open Innovation Hackathon, Virtusa Corporation, India — August 2021

- Proposed a business model by curating and evaluating product data by incorporating the regression concepts and machine learning algorithms to aid companies to improve predictive accuracy by 12%.
- Spearheaded a team of 3 to complete the initial prior art phase to apply for a Google patent and secure a spot as one of the top 5 teams out of the 1500 teams that competed nationwide.

EDGE International Conference, Chennai, India — March 2020

- Authored a groundbreaking research paper on the design and implementation of an Arduino-based magnetic levitation system which was published in the International Research Journal of Engineering and Technology (IRJET).
- Awarded “THE BEST PAPER” for presenting the idea of combining Physics principles of Linear Hall Effect and Magnetic levitation with a Python based IoT sensor named Arduino to reduce operational time and increase efficiency by 85%.