Raian Rith
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EDUCATION:

Bachelor of Arts | Lawrence University, Appleton, WI | June 2023
Major: Econometrics & Quantitative Economics **| Minors:** Data Science, Mathematics **|** GPA: 3.8/4

TECHNICAL SKILLS:

Languages: *Java, Python, R, SQL, DAX*
Machine Learning: *Scikit-learn, caret, mlr3, TensorFlow, Keras, LightGBM, Pandas*
Tools: *Microsoft Azure, Databricks, DataIku, VS Code, Power BI*
Databases: *MySQL, SQLite, MS SQL*
Data Governance: *Collibra (DIC, DQ), DvSum*

WORK EXPERIENCE:

Data Analyst October 2022 - Present
U.S. Venture Inc, Appleton WI

- Conducted comprehensive market analysis for US Auto Force, producing dynamic PowerBI reports and an ArcGIS dashboard to facilitate warehouse optimization, resulting in significant cost reduction and increased profitability. Presented key performance indicators (KPIs), encompassing drive time, customer/lead counts, and in-depth competitive analysis for 435,000 customers/leads, benchmarked against top competitors including American Tire Distributors, TireHub, etc for business defined markets across USA.
- Developed and created US Auto Force customer route suggestion tool to help the division route and sequence 84,000 customers efficiently while minimizing cost and delivery delays by leverageing KNN algorithm, Haversine distancing and vector geometry. Business defined 1 year ROI : $88,000 | 3 year ROI: $220000.
- Individually developed an advanced DevOps-integrated dashboard tailored for C-suite executives within the Data and Analytics divisions. This powerful tool enables seamless tracking of project ROI, project deadlines, progress, and budget allocation, elevating data-driven decision-making and operational efficiency at the highest organizational levels.
- Leveraged advanced algorithms, such as K-Nearest Neighbor, KD tree, Linear, Ridge, and Lasso Regressions, to optimize warehouse-to-customer routes, accurately forecast oil price elasticity, and predict Gas and Diesel production for potential gas station acquisitions. These insights contributed to data-informed business decisions, streamlining processes, and improving resource allocation.
- Conducted code reviews, optimized codes for multiple projects which reduced code execution time by 30% on average.

Data Quality Engineer Intern June 2022 - October 2022
U.S. Venture Inc, Appleton WI

- Orchestrated Baseline Profiling, Source to Target Mapping (STTM), and Root Cause Analysis using Collibra DIC and Collibra DQ on company wide data.
- Worked on establishing Data Catalogs, Data Dictionaries, Business Glossaries, Technical Lineage, and Business Lineage to ensure a unified source of truth, fostering transparency throughout the entire enterprise.
- Identified a critical data threshold issues with the potential to significantly impact certified data sets in Azure Data Lake, safeguarding data quality and consistency, and accuracy.

Founder & President February 2021 - May 2023
Founder & President of Lawrence University Data Science Club, Lawrence

- Founded and led the Lawrence University Data Science Club, fostering a collaborative team of 35+ members, and organized two Data-Thons with 40+ participants.
- Promoted knowledge sharing, skill development, and data science education within the university community, while demonstrating effective leadership and prudent financial management.

GROWTH-ORIENTED WORK EXPERIENCE

Student Data Analyst June 2021 - May 2023

Career Center, Lawrence University, Appleton WI

- Initiated and developed a Power BI & Tableau dashboards allowing Lawrence students to leverage data and information on the location, past education, and current work experience of alumni resulting in an estimated connection of 3,000 students to alumnus.
- Providing timely dashboards, pivot tables, reports, and presentations helpful to more than 5 university departments.

Economics Research Assistant June 2021 - June 2022

Lawrence University, Appleton WI

- Developed a empericial econometrics paper on the importance and affectivity of the Renewable Fuel Standards policy in fostering production of Renewable Fuels in USA.
- Leveraged MySQL for gathering and data wrangling from 3 databases, R/R Studio for regression analysis
- Synthesized U.S Energy Information Administration (EIA) data and U.S Environmental Protection Agency Data (EPA) for collinearity and prediction analysis.

MAJOR HONORS & ACHIEVEMENTS:

- 1st Prize in LaunchLU (Biggest Business Pitch Competition at Lawrence University)
- Received 2021-2022 Philip and Rosemary Wiley Bradley Achievement Scholarship in Economics
- Nominated for Henry Merritt Wriston Scholars Program and the Edwin N. and Ruth Z. West Scholarship
- Dean's List distinction (All 4 Years) at Lawrence University
- Jiggy Lang and Scotty Jenks Scholarship awarded by Gamma Pi Chapter of Beta Theta Phi
- Completed Harvard CORE Program from Harvard School of Business