

Satkar Karki

Vermillion, SD, 57069 | 737-285-5551

karkisatkarhere@gmail.com | [LinkedIn](#) | [Website](#) | [GitHub](#)

PROFESSIONAL SUMMARY

Analytics professional with strengths in fact-finding, documentation, and building scalable and modular code for team use. Excels in bridging business needs with technical execution, ensuring clarity, consistency, and impact. Brings focus, initiative, and a long-term vision for leadership in analytics, data science, or data engineering.

EXPERIENCE

Junior Financial Analyst | Coyote Capital Management, Vermillion, SD (Aug 2024 – Present)

- Built **time-series forecasting** models in **Python** within a cross-function healthcare sector team in a \$4M portfolio, that informed buy recommendations and drove 5% outperformance against the benchmark.

Data Analyst | Krinjal Foundation, Austin, TX (Mar 2020 – Nov 2023)

- Analyzed **international donation trends** using **SQL** and **Tableau**, performing exploratory and descriptive analytics that helped outreach teams target top-contributing countries boosting conversion rates by 20%.
- Automated staff scheduling processes with an **Excel Solver-based** optimization model, reducing manual planning effort and saving HR managers over 20 hours of scheduling tasks weekly.

EDUCATION

MS in Business Analytics University of South Dakota, Vermillion, SD (Jan 2024 – Dec 2025)

- President, INFORMS Student Chapter** – Grew chapter to 40+ members, launched guest speaker series & data workshops, collaborated with local businesses to streamline procurement workflows for 2+ partners.
- Coursework:** Database Management & Data Warehouse, Data Mining, Text Analytics, Business Analytics Fundamentals, Operational Analytics, Quantitative Analysis, Econometrics

Bachelor in Business Administration, Westcliff University, Irvine, CA (Jun 2016 – Jun 2020)

PROJECT WORKS

Egg Price Forecasting for Procurement Planning | [Video Presentation](#) | [GitHub](#) (Feb 2025 – Apr 2025)

- Forecasted monthly egg prices using **STL decomposition** and **ARIMA** in **R**, enabling a local bakery to adjust procurement timing and avoid a 15 – 20 % cost surge preserving pricing consistency during peak season.

NCAA Referee Analysis | [IdeaFest 2025](#) | [GitHub](#) | [Live Dashboard](#) (Jan 2025 – Apr 2025)

- Automated scraping of 5,900+ NCAA games with **Python** and stored data into a **relational database**, powering a Shiny dashboard showcased at IdeaFest research symposium to analyze referee travel pattern.

Canyon Ranch Reservation Analytics System | [GitHub](#) (Feb 2025 – Apr 2025)

- Mapped business requirements and created an **ER diagram** to redesign the resort's fragmented CLI-based reservation system, creating a schema focused on bookings across lodging, spa, and wellness services.
- Applied **dimensional modeling** using **SQL stored procedures**, enabling 3+ departments to track reservation trends, performing ad-hoc booking analyses, and reduce reporting overhead.

DoorDash Delivery Time Prediction | [GitHub](#) (Feb 2025 – Apr 2025)

- Predicted delivery times for 170k+ DoorDash orders using **Python** applying feature engineering achieved best performance with **Lasso Regression**, enabling product teams to improve ETA accuracy and planning.

SKILLS

- Programming & Analytics:** Python (pandas, sci-kit learn), R, SAS, SQL, Power BI, Tableau, Excel
- Data Science:** Time-series forecasting, Regression, Classification, A/B testing, NLP, Optimization
- Data Engineering:** ELT/ETL, Dimensional Modeling, Data Quality Assessment, Spark, Databricks