

# Satkar Karki

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## PROFESSIONAL SUMMARY

Data analytics professional with strengths in fact-finding, documentation, and creating scalable, modular code that teams can rely on. Skilled at turning business requirements into structured analyses and reports that bring clarity and impact to decision-making. Authorized to work in OPT STEM for 3 years.

## 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, powering a Shiny dashboard for exploratory data analysis 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, CART, Regression & Regularization, A/B testing, NLP
- Data Engineering:** ELT/ETL, Dimensional Modeling, Data Quality Assessment, Spark, Databricks
- AI & LLMs:** Cursor IDE, GitHub Copilot, ChatGPT, Claude, Grok, Perplexity AI