

Satkar Karki

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PROFESSIONAL SUMMARY

Data analyst who applies Python, R, SQL, and Tableau to solve business problems and deliver results. Drove better investment decisions in a \$4M portfolio, improved donor targeting through campaign analytics, and helped a local bakery optimize procurement with price forecasting. Seeking data analyst, or analytics engineering roles.

EXPERIENCE

President | *USD Business Analytics Club, Vermillion, SD* (Mar 2025 – Present)

- Founded the university's first analytics-focused student organization to promote applied learning and industry exposure, attracting 30+ members in the first semester of operation.
- Led a workshop on building an analytics project in **Python** from **data cleaning to visualization** demonstrating modeling best practices and helping 20+ students strengthen their portfolio.

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

- Built **time-series forecasting** models in **R** 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, Kathmandu, Nepal* (Mar 2020 – Nov 2023)

- Analyzed **international donation trends** using **SQL** and shared insights through **Tableau**, helping the outreach team target top-contributing countries and boost campaign conversion rates by 20%.
- Resolved staff scheduling conflicts by designing an **Excel Solver-based** optimization model, enabling HR managers to generate conflict-free weekly rosters and save over 20 hours of admin time weekly.

SKILLS

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

EDUCATION

Master of Science in Business Analytics (STEM) (Jan 2024 – Dec 2025)

University of South Dakota, Vermillion, SD

Bachelor in Business Administration (Jun 2016 – Jun 2020)

Westcliff University, Irvine, CA

PROJECT WORKS

Canyon Ranch Reservation Analytics System | [GitHub](#) (Feb 2025 – May 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** to build fact and dimension tables using **SQL stored procedures**, enabling 3+ departments to track reservation trends and reduce reporting overhead.

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

- Forecasted monthly egg prices using **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](#) | [Dashboard](#) (Jan 2025 – Apr 2025)

- Automated scraping of 5,900+ NCAA game records using **Python**, building a pre-processing pipeline that stored structured game-level data with each row representing a unique game ID for scalable analysis.
- Analyzed referee travel patterns and venue assignments to surface workload disparities, visualized through an **interactive Shiny dashboard** showcased at USD's flagship IdeaFest symposium.