Satkar Karki

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EXPERIENCE

President & Founder | *USD Business Analytics Club, Vermillion, SD*   *(Mar 2025 – Present)*
- Founded and leading a university-wide analytics club to promote applied data skills and career development, attracting 30+ active members within the first semester.
- Leading 5+ cross-functional teams solving real-world problems in sports analytics, e-commerce, and pricing, resulting in a semester-end showcase to engage faculty and industry partners.

Junior Financial Analyst | *Coyote Capital Management, Vermillion, SD*   *(Aug 2024 – Present)*
- Led healthcare equity analysis in a $4M student-managed fund, using XLMiner to build valuation and forecasting models that projected Q3/Q4 2024 earnings and supported a buy recommendation outperforming the benchmark by 5%.
- Collaborated with peers to develop pitch-style presentations (PSAs) using Bloomberg Terminal research, strengthening investment strategies and fostering team growth through feedback and shared learning.

Project Data Analyst | *Krinjal Foundation, Kathmandu, Nepal*   *(Mar 2020 – Nov 2023)*
- Developed and automated PowerBI dashboards to visualize key performance indicators (KPIs), reducing manual reporting time by 40%.
- Designed Excel-based workforce scheduling models using Solver, reducing scheduling conflicts by 20 hours per week.

SKILLS

- **Programming & Analytics:** Python, R Studio, SAS, SQL
- **Data Management and Visualization:** MS SQL Server, Power BI, Tableau, R Shiny, plotly, matplotlib
- **Business & Communication:** Data Storytelling, Presentation, Report Writing, Problem-Solving

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

NCAA Referee Analysis | IdeaFest 2025 | GitHub | Dashboard   *(Jan 2025 – Apr 2025)*
- Built and deployed an interactive R Shiny dashboard analyzing referee travel and assignment across 5,900+ NCAA Division I Men's Basketball games, enabling public exploration of officiating trends.
- Engineered a data pipeline into a relational database to enable scalable analysis of travel-related patterns.

Canyon Ranch Database & Data Warehouse Design | GitHub   *(Feb 2025 – May 2025)*
- Delivered an integrated database and data warehouse system for a luxury wellness resort, reducing data fragmentation across 6+ departments by designing OLTP and OLAP schemas to centralize reservations, referrals, and guest feedback.
- Enabled department heads to track booking trends and service quality by building a snowflake-modeled warehouse with computed KPIs, reducing manual reporting time and improving guest satisfaction.

Egg Price Forecasting for Procurement Planning | GitHub   *(Feb 2025 – Apr 2025)*
- Forecasted monthly Grade A egg prices using ARIMA and seasonal decomposition to help Mr. Smith's Bakery anticipate cost spikes and plan ingredient purchases more strategically.
- Helped Mr. Smith's Bakery avoid holiday price spikes by forecasting a 15-20% rise in egg prices, enabling bulk purchases and more cost-effective procurement planning.