

Satkar Karki

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Professional Summary

Data analytics professional with strengths in fact-finding, documentation, and creating data solutions that teams can build on. Known for bridging technical detail with business context, making insights accessible and actionable for technical teams and business leaders, enabling improved decision-making and competitiveness.

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, assisted 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

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 donation trends using SQL and Tableau, performing exploratory and ad-hoc analysis 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.

Projects

Growth Analytics Pipeline, Client: Trail Trekker | [GitHub](#) Jun 2025 – Aug 2025

- Built and tested an ETL pipeline in Python and SQL with version control, to classify subscribers likely to churn or upgrade, supporting data-driven retention and upsell strategies for the customer insights team.

Egg Price Forecasting, Client: Mister Smith's | [Video Presentation](#) | [GitHub](#) Feb 2025 – Apr 2025

- Sourced USDA economic data through APIs, applied ARIMA in R to forecast monthly egg prices, enabling the procurement team to avoid a 15% cost surge while preserving pricing consistency.

Data Warehouse Design, Client: Canyon Ranch | [GitHub](#) Feb 2025 – Apr 2025

- Mapped business requirements and created an ER diagram to redesign the resort's legacy reservation system, building a data warehouse schema to unify booking across lodging, and spa departments.
- Applied dimensional modeling using SQL stored procedures, enabling 3+ departments to track reservation trends, performing ad-hoc booking analyses, and reduce reporting overhead.

NCAA Interactive Dashboard | [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.

Skills

- BI & Analytics: Python (pandas, sci-kit learn), R, SAS, SQL, Power BI, Tableau
- Data Science: Time-series forecasting, CART, Regression & Regularization, A/B testing, NLP
- Data Engineering: ELT/ETL, Dimensional Modeling, Data Quality Assessment, Spark, Big Query
- AI & LLMs: Cursor IDE, GitHub Copilot, ChatGPT, Claude, Grok, Perplexity AI