

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.

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-functional healthcare sector team in a \$4M portfolio, that informed buy recommendations and drove 5% outperformance against the benchmark.
- Developed sector-specific Power BI dashboards integrating Bloomberg API and internal historic data, providing sub-committees with real-time KPIs and trade insights that improved monitoring efficiency.

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%.
- Used Excel & PowerPoint to deliver executive-level presentations for 50+ stakeholders analyzing funding delays, reducing disbursement wait times, and enabling on-time delivery of all STEM projects.
- 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 economic data through APIs, applied ARIMA modeling in R, and explained forecasting insights to the client, helping the client avoid a projected 15% cost spike and maintain stable pricing without passing costs to customers.

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

- Redesigned legacy reservation system into a dimensional data warehouse using ER modeling and SQL stored procedures, enabling multiple departments to unify bookings, track trends, 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, dbt
- AI & LLMs: Cursor IDE, GitHub Copilot, ChatGPT, Claude, Grok, Perplexity AI