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. I function better in cross-functional teams, and highly value knowledge-sharing.

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.

Bachelor in Business Administration | *Westcliff University, Irvine, CA*   *(Jun 2016 – Jun 2020)*

EXPERIENCE

Junior Financial Analyst | *Coyote Capital Management, Vermillion, SD*   *(Aug 2024 – Present)*
- Designed and led adoption of Power BI dashboards integrating Bloomberg API and internal portfolio data for the Equity sub-committee, providing live insights on portfolio allocation and performance trends while training analysts to independently generate and interpret data-driven investment reports.
- Developed and validated time-series forecasting models using Python to improve return projections for the Healthcare sector team's $4M portfolio, generating quarterly return and volatility forecasts that guided buy decisions and drove a 5% outperformance against the benchmark.

Data Analyst | *Krinjal Foundation, Austin, TX (Remote)*   *(Mar 2020 – Nov 2023)*
- Built a data-driven donor targeting framework using SQL and Tableau, revealing high-value contribution patterns that empowered outreach teams to optimize campaigns and achieve a 20% lift in conversion.
- Delivered executive-level presentations using Excel and PowerPoint for 50+ stakeholders, translating root-cause analysis of funding delay into actionable insights which ensured on-time delivery of STEM projects.
- Introduced an Excel Solver-based model to automate staff scheduling, saving HR managers 20+ hours weekly and enabling them to evaluate and adjust for staffing contingencies to improve workforce planning.

PROJECT WORKS

Growth Analytics Pipeline | *Client: Trail Trekker* | GitHub   *(Jun 2025 – Aug 2025)*
- Built and tested an ETL pipeline using Python and SQL to classify subscribers likely to churn or upgrade, supporting data-driven retention and upsell strategies for the growth and customer insights teams.

Data Warehouse Design | *Client: Canyon Ranch* | GitHub   *(Feb 2025 – Apr 2025)*
- Redesigned legacy reservation system into a dimension data warehousing integrating lodging and spa booking, enabling cross-department trend analysis and reducing reporting overhead in SQL Server.

Supply-Chain Forecasting | *Client: Mister Smith's Bakery* | Presentation | GitHub   *(Feb 2025 – Apr 2025)*
- Built time-series forecasting models in R and communicated insights to the business owner, helping avoid a projected 15% procurement cost spike and maintain stable pricing without passing costs to customers.

NCAA Interactive Dashboard | Abstract | 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

- **Programming & Analytics:** Python, 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