

Satkar Karki

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EXPERIENCE

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

- Founded the university's first **analytics-focused student organization** to promote **applied learning** and **early career exposure**, attracting **30+ members** in the first semester of operation.
- Launched hands-on initiatives including **Tableau** and **SQL workshops**, and **project teams** collaborating with **USD Athletics** and the **campus library**, leading to **semester-end showcase** for faculty and peers.

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

- Applied **time-series forecasting** in **XLMiner** to analyze healthcare equities in a student-led portfolio valued at **\$4M portfolio**, informing a **Q3/Q4 2024 buy call** that **beat the benchmark by 5%**.
- Collaborated with peers to develop **pitch-style presentations** using **Bloomberg Terminal** research, strengthening **investment strategies** and integrating domain knowledge to improve investment decisions.

Data Analyst | *Krinjal Foundation, Kathmandu, Nepal* (Mar 2020 – Nov 2023)

- Built **Power BI** dashboards for **executive leadership**, cutting **manual reporting time by 40%** and improving visibility into **financial and operational KPIs**.
- Designed **workforce scheduling** models using **Solver**, reducing **scheduling conflicts** and saving **20 hours** of **unbudgeted work time per week**.

SKILLS

- Programming & Analytics:** Python, R, SAS, SQL, Power BI, Tableau
- Data Engineering and Modeling:** Apache Spark, Apache Flink, SQL Server, dbt, Airflow
- 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

Canyon Ranch Database & Data Warehouse Design | [GitHub](#) (Feb 2025 – May 2025)

- Modeled the **ER diagram** and **relational schema** for a luxury wellness resort based on stakeholder requirements, ensuring **data access, governance, and quality** across core operations.
- Built **OLTP** database and **OLAP** snowflake warehouse using **SQL stored procedures** enabling **centralized tracking** of reservations, referrals, and guest feedback, eliminating fragmentation across siloed systems.
- Developed an ETL pipeline** to populate the warehouse with computed KPIs, enabling department heads to monitor **booking trends** and **service quality metrics** in real-time.

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**.

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 patterns.