SAGAR KALAUNI

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SUMMARY

Certified Data Analyst with huge academic and non-academic experience in data collection, analysis, and visualization, backed by a Master of Science in Statistics and PBC degree in Data Science. Proficient in Data analysis methodologies, SQL, R, Microsoft Excel, Python, Machine learnings, PowerBI and Tableau. Proven in uncovering actionable insights and implementing data-driven strategies for business growth and Data-driven decision Making. Eager to channel my analytical strengths into a challenging role, contributing decisively to organizational success.

EDUCATION

Southern Illinois University – Edwardsville Aug 2022 – Dec 2024
Master's, Statistics and Operations Research GPA: 4/4

Southern Illinois University – Edwardsville Aug 2022 – Dec 2024
Post-Baccalaureate Degree Certificate, Data Science GPA: 3.75/4

Tribhuvan University Jan 2016 – Nov 2020
Bachelor's, Mathematics GPA: 3.54/4

SKILLS

Data Analysis Skills: ETL (Extract, Transform, Load), Data Visualization, Machine Learning, Dashboarding, Data-driven decision-making.
Technical Skills: Microsoft Excel/Google Sheets, R, rStudio, Python, SQL, PowerBI, Tableau,Web scraping, Arena, FilmoraGo, Microsoft Word
Soft Skills: Communication, Adaptability, Problem-Solving, Teamwork, Time Management, Leadership, Creativity, Attention to Detail, Critical Thinking.

PROFESSIONAL/WORK EXPERIENCE

Southern Illinois University – Edwardsville **Illinois, US**
Graduate Teaching Assistant Aug 2022 – present

- Assist professors in math/statistics courses (e.g., R language STAT 380, Microsoft Excel lab) enhancing crucial data manipulation and communication skills.
- Collaborate with students to clarify complex statistical concepts and ensure understanding.

Machine Learning methodologies: Travel Insurance Data
Machine Learning and Classifications, SIUE 2023

- Applied diverse machine learning methodologies to predict travel insurance purchases.
- Conducted feature selection, presenting results with and without optimization.
- Identified and presented the most accurate predictive model for 100 customers, concluding with actionable recommendations based on analysis.

Oracle SQL: Madison Hospital Database
Oracle SQL for Business Analytics, SIUE 2023

- Demonstrated Oracle SQL proficiency, crafting complex data analysis queries and utilizing SQL for business analytics, optimizing reports, and using Oracle SQL*Plus for interactive queries and report formatting in Madison Hospital's database.
- Proficiently extracted data from multiple tables using join commands, strategically limited rows with

conditional statements (e.g., WHERE, HAVING), and organized results through the GROUP BY command to meticulously present comprehensive reports.

Multivariate Data Analysis: National Marathon Data

Multivariate Data Analysis, SIUE 2023

- Performed Exploratory and Confirmatory Factor Analysis (EFA and CFA) in the National marathon dataset and presented report and findings.
- Applied Exploratory Factor Analysis (EFA) to identify underlying factors, revealing that speed and endurance succinctly explain the entirety of the dataset's variation. Subsequently, confirmed these findings through Confirmatory Factor Analysis (CFA).

Mistake bound for Multiclass perceptron Algorithm: MREG

Machine Learning research workshop, University of Michigan 2023

- Applied multiclass perceptron algorithms to tackle classification problems, showcasing analytical skills and proficiency in machine learning.

Google Data Analytics Capstone Project: Bike Cyclist Problem

Google Data Professional Certificate, Coursera 2022

- Applied data analysis techniques to solve real-world problem for bike-share company in Chicago.
- Analyzed trip durations for casual riders and members, offering insights into membership-related variations.
- Explored and compared bicycle preferences, revealing patterns that enhance our understanding of user behavior, and found out that no member use docked bikes.

Data Science Capstone project: The Treadmill Problem

Foundation of Data Science, SIUE 2022

- Utilized statistical knowledge and diverse data analysis tools to set up customer profiles based on treadmill product preferences, enabling targeted marketing strategies.
- Positioned TM195 as budget friendly and TM798 as a luxury choice, expanding market reach based on income demographics, demonstrated data-driven decision-making and problem-solving skills.

CERTIFICATIONS

Process Data from Dirty to Clean	2023
Analyze Data to Answer Questions	2023
Share Data Through the Art of Visualization	2023
Data Analysis with R Programming	2023
Google Data Analytics Capstone: Complete a Case Study	2023
Foundations: Data, Data, everywhere	2022
Ask Questions to Make Data-Driven Decisions	2022
Prepare Data for Exploration	2022
Python for Everybody Specialization: University of Michigan	2022
Python Data Structure	2022

Awards and Honors

Greg and Mary Ann Budzban Scholarship for Data Analysis.	2024
Matthew Samsel Graduate Assistant Fellowship in Mathematics & Statistics	2024
Geographic Enhancement Opportunity (GEO) Award	2022
Graduate Teaching Assistantship	2022