SAGAR KALAUNI

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PROFILE

Certified Data Analyst with academic and non-academic experience in data cleaning, analysis and visualization. Experienced in generating insights for raw data for data driven decision making.

SKILLS

Technical Skills: Power BI, SQL, R, Power query M language, DAX, Microsoft PowerPoint, Power apps, Microsoft Excel/Google Sheets, SharePoint, IBM Maximo, RStudio, Python, Tableau, Arena, Teams & Microsoft Word.

Data Analysis Skills: ETL (Extract, Transform, Load), Data Visualization, Machine Learning, Dashboarding, Web scraping, Statistics, Trend Analysis & Data-driven decision-making.

Soft Skills: Problem-solving, critical thinking, and attention to detail-*from a math background*; teamwork, time management, leadership, collaboration, communication, and creativity-*as a content creator*; adaptability, eagerness to learn, and thankfulness-*as an international student*.

WORK EXPERIENCE

PRAIRIE STATE GENERATING COMPANY, IL USA   May 2024 – Aug 2024
Analytics & Insight- Intern.
- **Analyzed Completed and Pending Work Orders for 2024**: Identified discrepancies in planned versus actual spending across service, hours, and materials, for each work order, resulting almost 2 times improvement in budget efficiency for each work orders.
- **Conducted ABC and Item Count Analysis**: Analyzed over 24,000 items in plant and mine inventory, driving improvements in quality and operational efficiency for a $46.9 million, plant and mine warehouse inventory.
- **Developed Dashboards for Repairable Items and Shutdown Dates**: Created and implemented dashboards that improved tracking efficiency by 99%, significantly enhancing the company's operational oversight.

SOUTHERN ILLINOIS UNIVERSITY EDWARDSVILLE, IL USA   Aug 2022 – Present
Graduate Teaching Assistant.
- Worked with professors to boost students' data manipulation, quantitative, and communication skills in math/statistics courses, and clarified complex statistical concepts to enhance comprehension.

AASIRBAD ONLINE MEDIA, NEPAL   May 2020 – Feb 2021
Content Analyst.
- Facilitated data-driven decision-making by analyzing viewership trends and contributed to content creation and story writing for a major online media outlet in Far West Nepal.

AWARDS AND HONORS

- Greg and Mary Ann Budzban Scholarship for Data Analysis   2024
- Matthew Samsel Graduate Assistant Fellowship in Mathematics & Statistics.   2024
- Graduate Teaching Assistantship.   2022

- Geographic Enhancement Opportunity (GEO) Award.   2022

EDUCATION

SOUTHERN ILLINOIS UNIVERSITY – EDWARDSVILLE   Aug 2022 – Dec 2024
Master of Science, Statistics & Operations Research   *GPA: 4/4*

SOUTHERN ILLINOIS UNIVERSITY – EDWARDSVILLE   Aug 2022 – Dec 2024
Post-Baccalaureate Degree, Data Science   *GPA: 3.75/4*

TRIBHUVAN UNIVERSITY – NEPAL   Jan 2016 – Nov 2020
Bachelor of Science, Mathematics   *GPA: 3.54/4*

RELEVENT COURSES

Foundations of Data Science, Predictive Modeling and Visualization, Machine Learning and Classification Methods, Applied Statistical Learning and Data Mining, Oracle SQL for Business Analytics, Statistical and Machine Learning methods, Multivariate Analysis, Mathematical Programming, Advanced Simulation Modeling, Statistical Analysis, Fundamentals of computer programming.

PROJECTS

Machine Learning methodologies: Travel Insurance Data
Machine Learning and Classifications, SIUE.
- Utilized diverse machine learning techniques to predict travel insurance purchases, performed feature selection, and identified the optimal predictive model for 100 customers, providing actionable recommendations.

Oracle SQL: Madison Hospital Database
Oracle SQL for Business Analytics, SIUE
- Utilized complex SQL queries to extract essential data from Madison Hospital's database.

Mistake bound for Multiclass perceptron Algorithm: MREG
Machine Learning research workshop, University of Michigan

Google Data Analytics Capstone Project: Bike Cyclist Problem
Google Data Professional Certificate, Coursera

Walmart Sales Data Analysis- Power BI
Kaggle data Analysis, Finance industry data

CERTIFICATIONS

- Microsoft Power BI Desktop for Business Intelligence: Maven Analytics   2024
- Mastering M language, Dax and Data Modeling: goodly   2024
- Google Data Analytics Professional Certificate: Coursera   2023
- Python for Everybody Specialization: University of Michigan   2022