SAGAR KALAUNI

Data Enthusiast

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SKILLS

- **SQL**
- **R**
- **Python**
- **Data Analysis**
- **Statistics**
- **Power BI**
- **Tableau**
- **Machine learning**
- **Arena**
- **MS Excel**

CERTIFICATIONS

Google Data Analytics professional Certificate

- **Foundations: Data, Data, Everywhere**
- **Ask Questions to Make Data-Driven Decisions**
- **Prepare Data for Exploration**
- **Process Data from Dirty to Clean**
- **Analyze Data to Answer Questions**
- **Share Data Through the Art of Visualization**
- **Data Analysis with R Programming**
- **Google Data Analytics Capstone: Complete a Case Study**

Python for everybody specialization

- **Programming for Everybody (Getting Started with Python)**
- **Python Data Structure**
- **Using Python to Access Web Data.**

EDUCATION

Master's in Statistics and Operation Research
Southern Illinois University Edwardsville
2022-2024

Post-Baccalaureate Degree Certificate in Data Science
Southern Illinois University Edwardsville
2022-2024

Bachelor's in Mathematics
Tribhuvan University, Nepal
2016-2020

RELEVENT COURSEWORK

- **Introduction to Mathematical Statistics (part-I/part-II)**
- **Multivariate Analysis**
- **Discrete Multivariate Analysis**
- **Mathematical Programming (Part-I/Part-II)**
- **Operations Research Stochastic Models**
- **Foundations of Data Science**
- **Predictive Modeling and Visualization**
- **Machine Learning and Classification Methods**
- **Oracle SQL for Business Analytics**
- **Advanced Simulation Modeling**

WORK EXPERINCE

Teaching Assistant, Department of Mathematics and Statistics, SIUE 2022
- *Assist professors in math/statistics courses (e.g., R language STAT 380, Excel lab QR 101), enhancing data manipulation and communication skills.*
- *Collaborate with students to clarify complex statistical concepts and ensure understanding.*

PROJECTS

Google Data Analytics Capstone Project: Bike Cyclist Problem
- *Applied data analysis techniques to solve real-world problem for bike-share company in Chicago.*
- *Demonstrated data-driven decision-making and problem-solving skills.*

Foundation of Data Science Project: The Treadmill Problem
- *Explored data science fundamentals through project on treadmill industry.*
- *Applied statistical methods and presented insights effectively.*

Multiclass Classification Problem (Mistake Bounds for Multiclass Perceptron Algorithms)
- *Presented at MREG Program, University of Michigan*
- *Applied multiclass perceptron algorithms to tackle classification problem, showcasing analytical skills and proficiency in machine learning*

Cryptography using Matrices (Nepal Mathematical Society)
- *Implemented encryption and decryption algorithms using matrices.*
- *Presented findings at Nepal Mathematical Society, highlighting ability to communicate technical concepts.*

Oracle SQL - Madison Hospital Database
- *- Demonstrated intermediate-level 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 Medison Hospital's database.*

Road Accident data Analysis
- *Performed detailed analysis of road accident data, presented result in form of dynamic dashboard using Power BI.*