Bibek Shah

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EDUCATION

Bsc(hons)Computer and Data Science (2nd Year Completed)   Kathmandu, Bagmati

Sunway College, Kathmandu(Affiliated with Birmingham City University, UK)   Mar, 2023 - Present

SKILL SUMMARY

- Languages: Python, R, PHP, SQL
- Framework: Pandas, NumPy, Scikit-Learn, Matplotlib
- Tools: Power BI, MySQL, Git
- Platforms: Jupyter Notebook, Visual Studio Code, GoogleColab
- Soft Skills: Problem Solving, Communication, Time Management, Critical Thinking

PROJECTS

Expenses Tracker System Web App | PHP, MySQL | LINK

- The Expenses Tracker System web app was developed using PHP for server-side functionality and MySQL for efficient database management, ensuring systematic recording and retrieval of expense data.

- This project successfully enabled users to track and analyze their expenses on a daily, monthly, and yearly basis, providing valuable insights into their spending habits and promoting better financial management.

Accident dataset analysis and visualization | R | LINK

- Conducted a comprehensive analysis of accident data using R, employing statistical methods and data visualization techniques to uncover patterns and trends.

- This project provided critical insights into accident data, contributing to strategies aimed at improving road safety and reducing the occurrence of accidents.

Telecom Customer Churn Visualization | R | LINK

- Conducted customer churn prediction on a telecommunication dataset using data visualization techniques to identify patterns and behaviors influencing customer churn.

- This project uncovered specific trends that enabled the company to develop targeted retention strategies, reducing churn and improving overall profitability.

Hospital Management System | Python | LINK

- Developed a Hospital Management System using Python, incorporating libraries for data processing and GUI development to efficiently manage patient records, doctor schedules, and appointment bookings.

- This project delivered a user-friendly interface that streamlined hospital operations, enhancing record management and optimizing appointment scheduling.

Video Game Sales Prediction | Python | [LINK](#)

- Developed a machine learning model to predict video game sales using regression algorithms, applying cross-validation and SHAP for interpretability.

- Identified the most accurate model after rigorous evaluation, optimized performance.

CERTIFICATES

- **Kaggle:**

  Intro to Programming | [CERTIFICATE](#)   November 2023

  Intro to ML | [CERTIFICATE](#)   November 2024

  Intermediate ML | [CERTIFICATE](#)   December 2024

  Feature Engineering | [CERTIFICATE](#)   January 2025

  Python | [CERTIFICATE](#)   July 2023

  Data Cleaning | [CERTIFICATE](#)   November 2024

- **Sololearn:**

  Tech for Everyone | [CERTIFICATE](#)   January 2023

  Intro to Python | [CERTIFICATE](#)   January 2023

- **DeepLearning.AI:**

  AI Python for Beginners | [CERTIFICATE](#)   June 2023

- **Programiz:**

  Learn Python Basics | [CERTIFICATE](#)   February 2025

REFERENCES

Kushal Regmi – Director, Sunway College

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Rupak Koirala – Senior Lecturer, Sunway College

Email: rupak@sunway.edu.np | Phone: +977-9861-605658