

Prapti Dahal

+977 9860083722 | praptidahal2004@gmail.com | Kathmandu

Education

Amrit Science Campus

Bachelor's of Science in Computer Science and Information Technology
2023-Present

Skills

- **Data Analysis Tools:** MySQL, Python (NumPy, Pandas, Matplotlib), Power BI
- **Mathematics & Statistics:** Probability, Linear Algebra, Regression Analysis, Hypothesis Testing
- **Machine Learning Algorithms:** Linear Regression, Decision Trees, K-Means Clustering
- **Data Visualization:** Creating interactive dashboards and visual reports using Power BI and Matplotlib
- **Data Management:** Data cleaning, transformation, and manipulation

Projects

The Economics of Skincare: Analyzing the Price Trends and Factors

[Medium Article](#)

- Conducted a comprehensive analysis of skincare product prices and their influencing factors.
- Utilized Python (Pandas, NumPy) for data cleaning and manipulation.
- Applied statistical techniques to uncover price trends and their correlation with product ingredients, brand, and consumer ratings.
- Visualized findings using Matplotlib and Power BI, enabling a deeper understanding of market dynamics.
- Presented insights in a well-structured Medium article, contributing to the field of consumer economics.

Movie Recommender System

[Link](#)

- Developed a movie recommender system using Python and machine learning techniques to recommend movies based on user preferences.
- Implemented collaborative filtering and content-based filtering.
- Vectorized movie tags and calculated cosine distances to identify movies most similar to each other.

Certificates

- **Accenture North America - Data Analytics and Visualization Job Simulation-** Forge
- Developed proficiency in Power BI, focusing on creating interactive visualizations and dashboards.
- Performed SPSS analysis, applying statistical methods to real-world data, which enhanced understanding of data trends and patterns.
- **Udhyam Data Analytics Workshop** – Udhyam Hackathon
- Developed proficiency in Power BI, focusing on creating interactive visualizations and dashboards.
- Performed SPSS analysis, applying statistical methods to real-world data, which enhanced understanding of data trends and patterns.

Languages

English, Nepali, Hindi