Neha Shrestha

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SUMMARY

Passionate, aspiring data scientist dedicated to continuous learning and growth in technology. Committed to collaborative teamwork and mastering data science intricacies. Eager to contribute and evolve within dynamic team environments.

EDUCATIONAL QUALIFICATIONS

Tribhuwan University | Bachelors in **Computer Science and Information Technology** 2019-Present
Trinity International College

Cambridge Assessment International Education | **A-Levels** in Pure Science 2016-2018
Budhanilkantha School

Government of Nepal | **SLC** 2015
Meridian International School

WORK EXPERIENCE

101 Infotech, Kathmandu | Flutter Developer Intern July 2021-Dec 2021

- Collaborated with the development team to **design, build and maintain** Flutter applications,
- Developed mobile applications using the Flutter framework, gaining proficiency in **Dart** programming language and implementing fundamental Flutter concepts such as **stateful and stateless widgets** to create dynamic user interfaces.

PROJECTS

1. **Text-to-Image Generator | code**
   - Developed a Text-to-Image generator system based on the **Latent Diffusion Model**, leveraging **Python, PyTorch, VAEs and U-Net** to generate realistic images from textual prompts.

2. **Movie Recommendation System | code**
   - Created a **content-based recommendation system** that provides viewers with five choices for related movies based on the **Cosine Similarity Metrics** and the **Bag of Words** concept.

3. **Diabetes Prediction System | code**
   - Modelled data on various machine learning models like **Support Vector Machine, Logistic Regression, KN Neighbors, Decision Tree Classifier, Random Forest Algorithm and Naive Bayes Classifier**.
   - Compared the **accuracy metrics** for each algorithm to learn about their strengths and weaknesses.

4. **Titanic Survival Prediction | code**
   - Utilized **Exploratory Data Analysis (EDA)** techniques in Python to analyze and provide **insightful visualizations.**
   - **Handled outliers** and **predicted missing values** using **Linear Regression.**

5. EDA on RollerCoaster Data | code

- Conducted **EDA** on a roller coaster dataset using Python libraries such as **Pandas, Matplotlib**, and **Seaborn** to derive insights into various factors affecting roller coaster designs and popularity.

TECHNOLOGIES

Python, Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn