



# SABIN SAPKOTA



Bhaktapur



9813186393



sabinsapkota239@gmail.com

## Profile Summery

Motivated Computer Science student specializing in Data Science and Machine Learning. Skilled in Python, data preprocessing, visualization, and building predictive models using Pandas, NumPy, Matplotlib, and Scikit-learn. Eager to apply data-driven problem-solving skills to real-world projects.

## Technical Competencies

- **Python** – Data analysis, visualization, and machine learning
- **NumPy, Pandas** – Data manipulation and preprocessing
- **Matplotlib, Seaborn** – Data visualization and insights
- **Scikit-learn** – Machine learning model development
- **Jupyter Notebook / Google Colab** – Interactive analysis and experimentation
- **Git & GitHub** – Version control and collaboration
- **SQL** – Data extraction and querying

## Education

- Bachelor of Science in Computer Science and Information Technology (Bsc.CSIT ) : Swastik College(2078-Ongoing)
- Data science : Evolve It Hub (Completed)

## Projects

### Bone Fracture Detection

Bone fracture detection uses XGBoost on extracted X-ray features, combining multiple decision trees to accurately classify fractured and normal bones.

### Sentiment Analysis

Sentiment analysis in Nepali using SVM classifies text as positive, negative, or neutral by training on labeled Nepali data with features like TF-IDF for accurate predictions.

### Wine Quality Analysis

using K-Means and PCA on the Red Wine Quality dataset to discover hidden patterns and naturally cluster wines based on chemical features without using quality labels.

**I certify that the information in this CV is accurate and complete. References and documents are available on request.**