

# Sandesh Pahari

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## Education

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**Pokhara University**

Bachelor's in Computer Engineering

Pokhara, Nepal

10/2021 - 08/2025

## Projects

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### Smart Intrusion detection with real time alerts

Pokhara University, Final Year Project

- Developed an Model for face recogniton and pattern recognition
- Used own dataset for the model creation
- Project link : [Smart Intrusion detection with real time alerts](#)

### Sales Data Analysis

- Performed exploratory data analysis on sales datasets.
- Cleaned, transformed, and visualized data to extract trends.
- Used Python, Pandas, Matplotlib, and Seaborn.
- Project link: [Sales Data Analysis](#)

### Movie Rating Analysis

- Analyzed movie datasets to understand rating patterns.
- Applied data preprocessing, visualization, and insights generation.
- Tools used: Python, Pandas, NumPy,Seaborn.
- Project link: [Movie Rating Analysis](#)

### MPG predict project

- Built a regression-based machine learning model to predict vehicle Miles Per Gallon (MPG) using historical automobile data.
- Performed data cleaning, preprocessing, and exploratory data analysis (EDA) to understand relationships between features such as weight, horsepower, and mileage.
- Visualized feature distributions and correlations using Seaborn and Matplotlib for better insight into data patterns.
- Split the dataset into training and testing sets using scikit-learn to ensure unbiased model evaluation.
- Implemented a Linear Regression model to predict MPG and analyze feature impact.
- Evaluated model performance using key regression metrics: Mean Absolute Error (MAE), Mean Squared Error (MSE), and  $R^2$  score.
- Project Link : [MPG Prediction Project](#)

## Skills

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**Programming Languages:** 🐍 Python,C++,C

**Tools and Frameworks:** Git, GitHub, Jupyter Notebook,Scikit-learn

**Languages:** Nepali (native), English (proficient)

**Data Analysis:** Pandas, NumPy, Seaborn

**Other:** Problem-solving,Teamwork,Communication

## Strengths

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- Fast Learner
- Detail-oriented
- Strong analytical mindset
- Ability to work in terms and independently