NISHA POKHAREL

nishapokharel0317@gmail.com | (+977) 9823120686

[Nisha Pokharel](#) [Nisha Pokharel](#)

SKILLS

- ❖ Programming Languages: Python
- ❖ Data Analysis: Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, EDA
- ❖ Machine Learning and Deep Learning: Machine Learning Algorithms, Pytorch,ANN,CNN,YOLO, Transformer, NLP
- ❖ Web Frameworks: Django, Flask
- ❖ Tools & Technologies: Git and GitHub, Jupyter Notebook, Google Colab
- ❖ Databases: MySQL, MongoDB
- ❖ Other: Data Wrangling, Data Visualization, Statistical Analysis

EDUCATION

- ❖ Computer Engineering | United Technical College   *2020 - 2024*

PROJECTS

- ❖ *Parking Management System with Automatic Number Plate Recognition*
  Developed a project that automatically detects license plates of Nepali vehicles using YOLOv9 and extracts characters from the detected plates using EasyOCR. The system is deployed on a web-based platform where users can upload images, detect license plates, and store the extracted characters in a database.

- ❖ *Heart Disease Prediction using Machine Learning Algorithms*
  Compared various Machine Learning classification algorithms to predict the presence or absence of heart disease based on key medical parameters. The algorithm with the highest accuracy was selected for deployment in a prediction system.

- ❖ *Fire Detection*
  This project helps manage and keep an eye on wildfires better.This web application integrates NASA's satellite-derived active fire data, employs computer vision-based fire detection and also provides facility to report fire and hence aims for overall fire management.

ACHIEVEMENTS

- **NASA International Space Apps Hackathon**: Selected as the **Global Nominee** from Kathmandu, Nepal for the hackathon officially sponsored and supported by NASA. ([Fire Detection](#))

- **United Tech Fusion 2080**: Awarded with **Best Project award** | ([Smart Municipality](#))