ADARSHA RIMAL

A motivated machine learning and software engineer passionate about solving complex challenges and driving innovation in AI-driven solutions, seeking opportunities for growth in a forward-thinking company.

✉ cristianoadarsha@gmail.com   ☎ 9848861427   ○ AdarshaRimal   in Adarsha Rimal   Kathmandu, Nepal

EDUCATION

- **Bachelor Of Science – CSIT**
  Tribhuvan University
  03/2020-present
- **+2 Science**
  Nepal Examination Board
  05/2017-12/2019   3.69cgpa

PERSONAL PROJECTS

- **Sign Language Detection**
  Experimented with various techniques such as CNN, transfer learning, Mediapipe, and YOLO for sign language detection. Deployed three models in a web app using Flask and React: a CNN for image classification, an Efficient Net model fine-tuned for image classification, and a YOLO model for real-time detection.

- **Game Automation using computer vision**
  Developed an automated Free Fire game system leveraging computer vision techniques with MediaPipe and PyAutoGUI.

- **Netflix Clone using Django**
  Developed a Netflix clone using Django, featuring user authentication, content management, media streaming, and a responsive interface.

- **Nepal Zone Guessing Game**
  Created a Nepal Zone Guessing Game using Pandas and Turtle Graphics, where users guess zone names via a dialog box, displaying correct guesses on the map.

TECHNICAL STACK

- **Data Science / Machine Learning / Deep Learning**
  Proficient in Python, data visualization, EDA, feature engineering, supervised and unsupervised learning algorithms, ANN, CNN, transfer learning, and feature selection/extraction.

- **Mathematics for ML & DL**
  Linear algebra, statistics, probability, and calculus.

- **Python packages and Frameworks**
  NumPy, Pandas, Matplotlib, Scikit-learn, TensorFlow, PyTorch, OpenCV, and Tkinter.

- **Web Development**
  HTML, CSS, Flask, and Django.

- **Programming Languages**
  Python, C, C++, C#, and Java.

- **Databases**
  MySQL and PostgreSQL.

SOFT SKILLS

Fast Learner, Leadership, Problem Solving, Time Management, Communication, Adaptability, Teamwork

INTERESTS

AI/ML, Software Engineer, Tutor/Mentor

LANGUAGES KNOWN

English, Nepali, Hindi