Sanjay Mahar

Bajhang, Kathmandu, Nepal, 9865918308, sanjaymahar2058@gmail.com

LINKS

Github, linkedin

PROFILE

Computer Engineering student with strong interest in data science, machine learning, and software development. Experienced in Python, data analysis, and building practical projects. Passionate about solving real-world problems through technology and continuous learning.

EXPERIENCE

Jun 2025 — Jun 2025

Python & Git Trainer Cosmos College of managment And Technology.

One week training program

Trained 100+ students in python and git

Designed a course based for early semester students

2025 — 2025

ISTN_HACKATHON

Awarded first place in the ISTN Hackathon for developing an innovative **Accident Report** project. Recognized for teamwork, problem-solving, and effective implementation under time constraints

Mentor:Cosmos +2 level Hackathon

Guided and supported participants during the Cosmos +2 Level Hackathon, providing technical advice, project development insights, and mentorship to help students successfully execute their projects.

Participant – Cosmos Hackathon

Actively participated in the Cosmos Hackathon, collaborating with a team to develop innovative solutions within the given time frame and gaining hands-on experience in project development and problem-solving.

EDUCATION

2018 — 2020

+2(Xavier international S.School) Kathmandu

Completed +2 with a CGPA of **3.58**, demonstrating strong academic performance and consistency.

2021 — Present

Bachelor of computer engineering,pokhara university

PROJECTS

Face_Emotion_Detection

Developed a **Face Emotion Detection System** that identifies human facial expressions such as **happy, sad, and angry** using computer vision and machine learning techniques. The system detects faces from images or live video, extracts facial features, and classifies emotions in real time. This project enhanced my understanding of **image processing, facial feature extraction, and emotion classification**, while demonstrating the practical application of AI in human–computer interaction.

Hand_written_Digit_Recoginization

Developed a **Handwritten Digit Recognition system** that identifies digits (0–9) from handwritten images using machine learning techniques. The project involved image preprocessing, feature extraction, and accurate digit classification, demonstrating practical application of pattern recognition and computer vision concepts.

Movie_Recommandation_Sytem

Developed a **Movie Recommendation System** that suggests relevant movies to users based on their preferences using data analysis and machine learning techniques. The system analyzes user behavior and movie features to generate personalized recommendations, demonstrating practical understanding of recommendation algorithms and real-world data handling.

Yoga Posture Detection and Diet Recommendation

Currently developing a **Yoga Posture Detection and Diet Recommendation System** that analyzes user posture using computer vision techniques to identify yoga poses and provide corrective feedback. The system is also designed to recommend personalized diet plans based on user health parameters to support overall wellness. This ongoing project focuses on the practical integration of **machine learning, image processing, and health-focused recommendation systems**.

TOOLS

Tools & Technologies:

- Python – Programming,OpenCV ,dlib / MediaPipe ,Scikit-learn / TensorFlow
- NumPy & Pandas ,Jupyter Notebook ,TensorFlow / Keras ,MNIST dataset
- HTML, CSS, JavaScript ,PHP ,MySQL VS Code

COURSES

2025 — 2025 Numpy,Pandas & Python for Data Analysis, Udemy

2025 — 2025 Python Essential1, Netacad,Cisco Networking Academy

100 Days challenge Data Science and Machine Learning

LANGUAGES

Nepali

English