

# DHIRAJ PANT

+977 9869714340  
official.dhirajpant@gmail.com  
Mahendranagar, Nepal  
[Linkedin](#) [Kaggle](#) [Github](#)

## Education

---

### Far Western University

2021 - Exp 2025

Mahendranagar, Nepal

Bachelor of Engineering in Computer Science

### Morning Glory Higher Secondary School

2018 - 2020

Mahendranagar, Nepal

Intermediate in Science

## Experience

---

### Data Science Intern | Solar Secure Solutions

Dec 2023 – Feb 2024

- Gathered, cleaned, and pre-processed large datasets from various sources, improving data integrity and accuracy by 20%
- Conducted detailed EDA to uncover patterns, correlations, and insights, leading to a 15% increase in the accuracy of business forecasts.
- Developed, tested, and validated machine learning models that improved prediction accuracy by 25%, enhancing the company's decision-making processes.
- Worked closely with cross-functional teams, including software developers and product managers, to integrate data-driven solutions, resulting in a 10% increase in overall project efficiency.

## Projects

---

### Plants Diseases Detection using Computer Vision(CNN)

April 2024

- Trained the CNN model on a large dataset of 70k+ plant images containing various diseases and healthy samples.
- Achieved an accuracy rate of 95% in disease detection through rigorous training and optimization of the CNN architecture.
- Fine-tuned hyperparameters and applied regularization methods to prevent overfitting, resulting in a 10% reduction in model error rates.
- Developed a real-time disease detection web application with an intuitive user interface, enabling farmers to quickly and accurately identify plant diseases, improving diagnosis time by 30%.

### Movies Recommendation System(KNN)

December 2023

- Gather a dataset containing information about users, movies, and their interactions.
- Cleaned the dataset by handling missing values, removing duplicates, and addressing any inconsistencies.
- Conducted thorough model evaluation using metrics like precision, recall, and F1-score, achieving a recommendation accuracy rate of 92%
- Implemented K-Nearest Neighbors (KNN) algorithm to create a user-based collaborative filtering system, enhancing recommendation accuracy by 15%.

## Skills

---

### System:

- Git, Linux, Docker

### Database:

- MySQL

### Programming Languages:

- C++, Python

### Frameworks and Libraries:

- NumPy, Seaborn, Pandas, Scikit-Learn, Matplotlib, OpenCV, Pillow
- TensorFlow, Keras, Streamlit, Langchain

## Licenses & Certifications

---

- Python for Everybody Specialization by University of Michigan – Coursera
- Machine Learning Specialization by DeepLearning.AI - Coursera
- Deep Learning Specialization by DeepLearning.AI – Coursera