DHRUV TALWAR

91/8, Labour Colony, Govind Nagar, Kanpur • +91-9198697798 • talwardhruv49@gmail.com

SUMMARY

Aspiring Machine Learning Engineer with strong foundational knowledge in ML concepts and a proven portfolio of projects. My experience includes developing and analyzing deep learning models for image classification and building predictive systems. I am eager to apply and expand my skills to contribute to organizational success.

PROJECTS

AI Cancer Detector **July 2025 - Present**

- Currently developing an AI Detector using a deep learning model to analyze medical images and predict five types of cancer: lung, brain, skin, breast, and blood.
- The system is being designed to first identify the body part, then apply a specialized CNN model for diagnosis, demonstrating expertise in CNN training and image classification.
- Tools: Python, Pandas, Keras, NumPy, Matplotlib, Scikit-learn

Plant Disease Detector **July 2025**

- Developed a predictive system for identifying plant diseases that achieved over 85% accuracy.
- Performed data preprocessing and visualized trends with Matplotlib.
- Implemented a deep learning model to build the predictive system.
- Tools: Python, Keras, Pandas, Matplotlib.

Diabetes Prediction **May 2025**

- Utilized a Kaggle dataset to build a diabetes prediction model that achieved 88% accuracy.
- The process involved data cleaning, preprocessing (standardization), and train-test splitting.
- Trained and evaluated a classification model.
- Developed a basic interface for user-based predictions.
- Tools: Python, Pandas, Scikit-learn, NumPy, sklearn

EDUCATION

Bachelor of Technology (B.Tech) **Sep 2023-Present**

- SGPA: 8.0
- University: Pranveer Singh Institute of Technology (affiliated with Abdul Kalam Technical University)
- 2023 - Expected Graduation: 2027

Intermediate **2023**

- Percentage: 88%
- School: Doon International School
- Year of Completion: 2023

ADDITIONAL INFORMATION

- **Programming Languages:** Python, C/C++
- **Machine Learning & Deep Learning:** Scikit-learn, TensorFlow, Keras, CNN, sklearn
- **Data Analysis & Visualization:** NumPy, Pandas, Matplotlib
- **Tools & Platforms:** GitHub, VS Code, Google Colab