

# DHRUV TALWAR

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## SUMMARY

Aspiring Machine Learning Engineer with strong foundational knowledge in ML concepts and proven project experience. Quick learner and effective team collaborator. I have a portfolio of projects demonstrating my ability to build and analyze models. I learn quickly and work well in a team, and I am also a C++ problem solver. Eager to apply and expand my skills to contribute to organizational success.

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## PROJECTS

### AI Cancer Detector

July 2025 - Present

Developed an AI Detector that uses a deep learning model to analyze medical images and predict five types of cancer: lung, brain, skin, breast, and blood. The system first identifies the body part from the image and then uses a specialized model for diagnosis, demonstrating skills in CNN training, image classification.

Tools: Python, Pandas, Matplotlib, Scikit-learn

### Plant Disease Detector

July 2025

Developed a predictive system for identifying plant diseases using machine learning. Performed data preprocessing, visualized trends with Matplotlib, and implemented linear regression for disease prediction. Built an interactive module to input plant parameters and output likely disease status.

Tools: Python, Pandas, Matplotlib, Scikit-learn

### Diabetes Prediction

May 2025

Utilized a Kaggle dataset to build a diabetes prediction model. Performed data cleaning, preprocessing (standardization), and train-test splitting. Trained a classification model and evaluated its performance. Developed a basic interface to predict diabetes based on user input.

Tools: Python, Pandas, Scikit-learn, NumPy

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## EDUCATION

### Bachelor of Technology (B.Tech)

Sep 2023-Present

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

### Intermediate

2023

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

- **Technical Skills:** Python, Scikit-learn, TensorFlow, NumPy, Pandas, Matplotlib, Keras, CNN
- **Languages:** Python, C/C++, Python, Java