

Dataset: Iris Dataset

Internship: AI & ML Internship

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Task 6: Linear Regression – House Price Prediction

Tools Used: Python, Pandas, Matplotlib, Numpy, Scikit-learn

## MAE + RMSE Report

The Linear Regression model was evaluated using Mean Absolute Error (MAE) and Root Mean Squared Error (RMSE).

- MAE shows the average absolute difference between the actual and predicted house prices.
- RMSE shows how large the prediction errors are and gives more importance to bigger errors.

Lower values of MAE and RMSE indicate that the model is making better predictions.

## Predicted vs Actual Plot

A scatter plot was created to compare the actual house prices with the predicted house prices.

- Each point represents one data sample.
- Points closer to the diagonal indicate more accurate predictions.

The plot shows that the model predictions are reasonably close to the actual values

