

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

