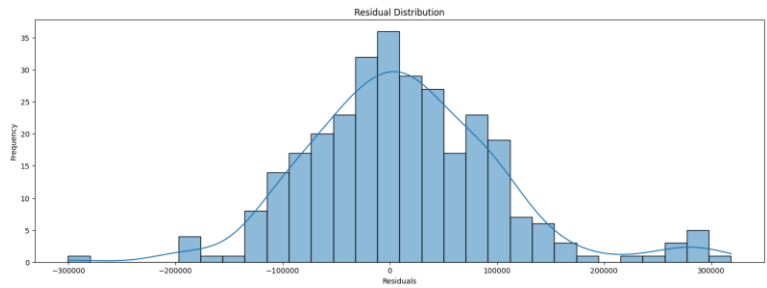Residual Distribution

Insights:

The residuals (difference between actual and predicted prices) form a normal distribution:This indicates that the model's errors are evenly distributed, without significant bias (e.g., overestimating or underestimating prices consistently).

Feature importance

	Feature	Coefficient
2	SizeInSqFt	548093.229959
3	Bedrooms	164040.261045
4	Bathrooms	65965.422049
8	NearbySchools	49468.945821
6	GarageSpaces	40574.405021
1	PropertyType	21643.415079
5	YearBuilt	21140.170259
9	MarketTrend	11909.851465
0	Location	-14601.620451
7	LotSize	-401928.685208

Summary of overall Insights

- Larger properties (SizeInSqFt) have the highest positive impact on house prices.

- The number of bedrooms (Bedrooms) and bathrooms (Bathrooms) significantly increase prices.

- High-rated schools (NearbySchools) are a key driver of pricing in family-friendly neighborhoods.