

✔ Dataset Loaded Successfully

	sepal length (cm)	sepal width (cm)	petal length (cm)	petal width (cm)	\
0	5.1	3.5	1.4	0.2	
1	4.9	3.0	1.4	0.2	
2	4.7	3.2	1.3	0.2	
3	4.6	3.1	1.5	0.2	
4	5.0	3.6	1.4	0.2	

species

0	setosa
1	setosa
2	setosa
3	setosa
4	setosa

Missing values:

sepal length (cm)	0
sepal width (cm)	0
petal length (cm)	0
petal width (cm)	0
species	0

dtype: int64

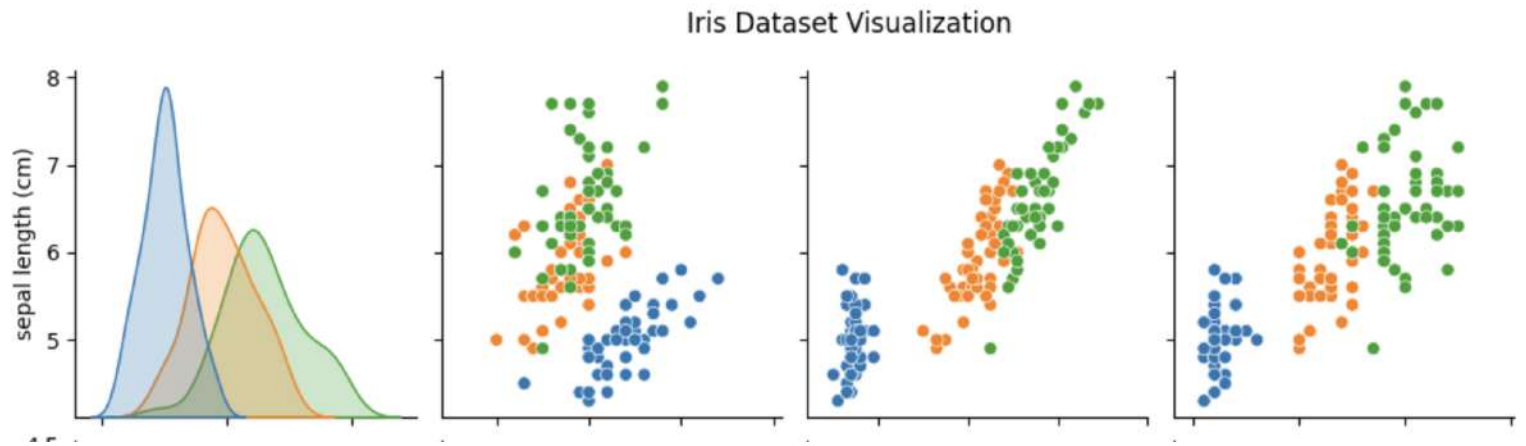
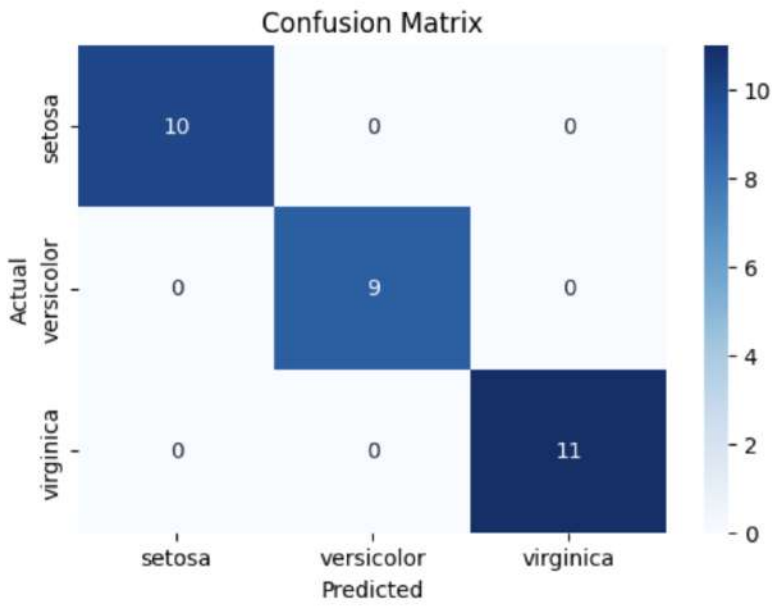
✔ Data Pipeline (Cleaning, Transformation, Flow) Completed

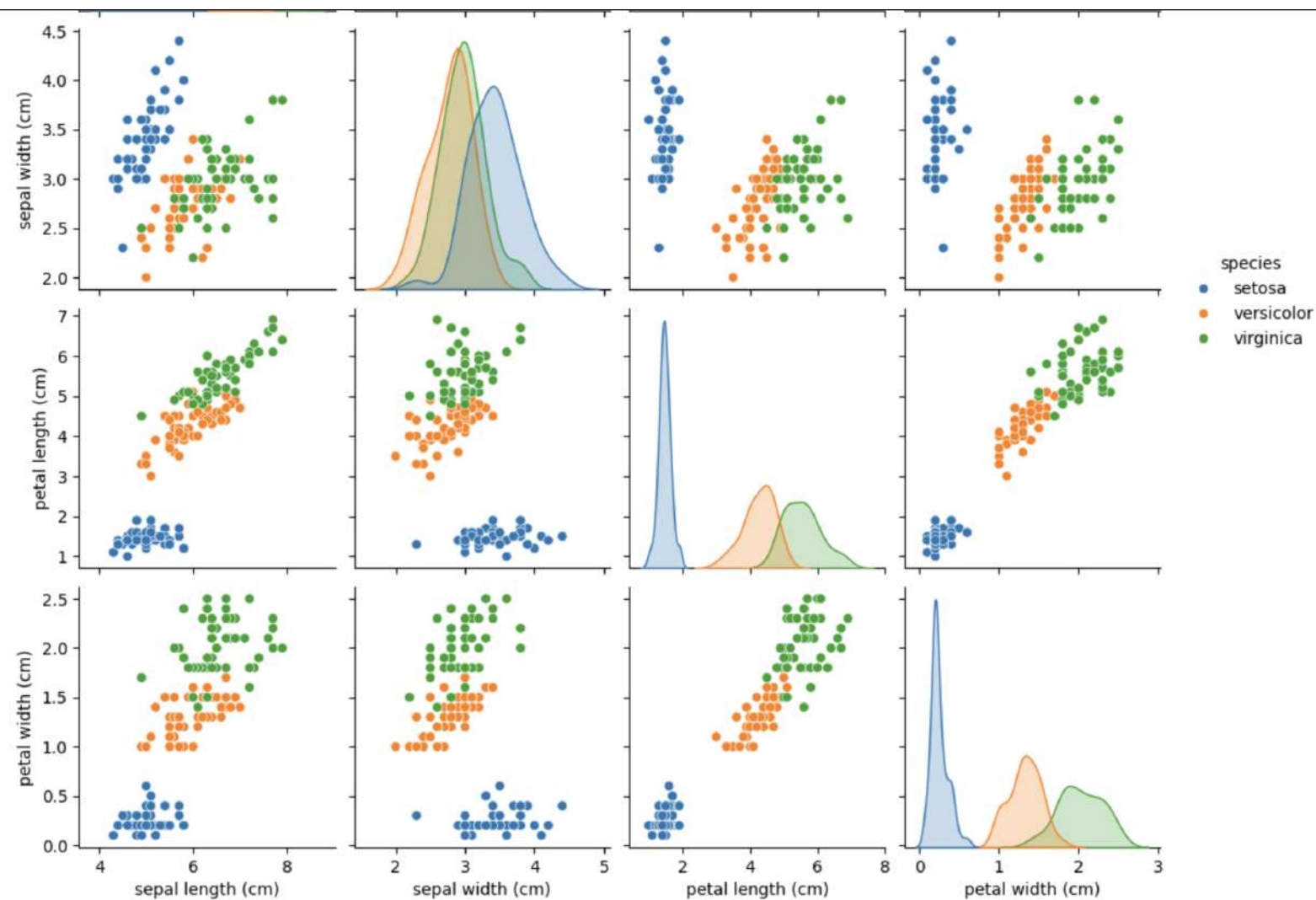
✔ ML Model Applied Successfully

Model Accuracy: 1.0

Classification Report:

	precision	recall	f1-score	support
setosa	1.00	1.00	1.00	10
versicolor	1.00	1.00	1.00	9
virginica	1.00	1.00	1.00	11
accuracy			1.00	30
macro avg	1.00	1.00	1.00	30
weighted avg	1.00	1.00	1.00	30





#### ✂ Insights:

- Logistic Regression achieved high accuracy (>90%).
- Setosa is the easiest to classify (distinct features).
- Versicolor and Virginica have overlapping features, leading to some misclassification.
- Model can be used in real-world flower recognition systems (e.g., smart agriculture, botany apps).