

Fish Species Classifier

Select a model and upload a fish image to predict its species.

VGG16

Choose File No file chosen

Predict

Predicted Fish Category: fish sea_food shrimp

Confidence: 100.00%



Model Evaluation Metrics (VGG16)

Classification Report

Accuracy: 0.9844

Classification Report:

	precision	recall	f1-score	support
animal fish	0.95	0.99	0.97	187
animal fish bass	0.00	0.00	0.00	10
fish sea_food black_sea_sprat	1.00	1.00	1.00	105
fish sea_food gilt_head_bream	1.00	0.98	0.99	94
fish sea_food hourse_mackerel	1.00	1.00	1.00	97
fish sea_food red_mullet	1.00	0.97	0.98	90
fish sea_food red_sea_bream	0.98	1.00	0.99	113
fish sea_food sea_bass	0.99	1.00	0.99	97

	fish sea_food shrimp	1.00	1.00	1.00	100
fish sea_food striped_red_mullet		0.96	1.00	0.98	101
fish sea_food trout		1.00	1.00	1.00	98
	accuracy			0.98	1092
	macro avg	0.90	0.90	0.90	1092
	weighted avg	0.98	0.98	0.98	1092

Confusion Matrix:

```
[[185  0  0  0  0  0  0  1  0  1  0]
 [ 10  0  0  0  0  0  0  0  0  0  0]
 [  0  0 105  0  0  0  0  0  0  0  0]
 [  0  0  0 92  0  0  2  0  0  0  0]
 [  0  0  0  0 97  0  0  0  0  0  0]
 [  0  0  0  0  0 87  0  0  0  3  0]
 [  0  0  0  0  0  0 113  0  0  0  0]
 [  0  0  0  0  0  0  0 97  0  0  0]
 [  0  0  0  0  0  0  0  0 100  0  0]
 [  0  0  0  0  0  0  0  0  0 101  0]
 [  0  0  0  0  0  0  0  0  0  0 98]]
```