



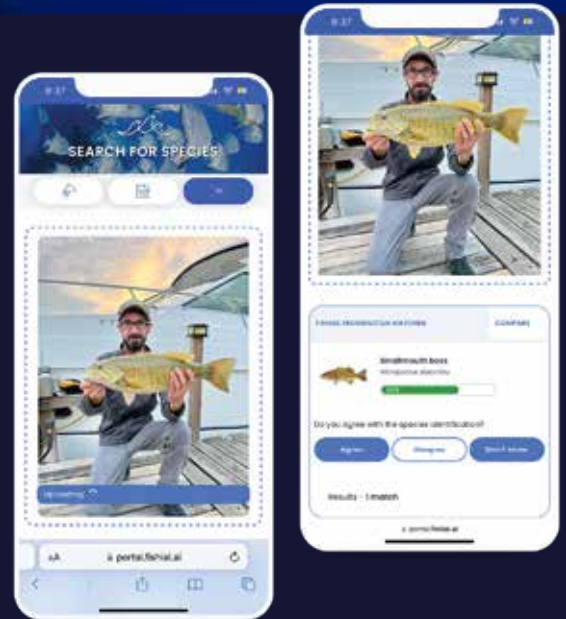
**FISHIAL.AI**  
ENABLING FISHIAL RECOGNITION™

# FISHIAL DEVELOPERS API

Fishial enables fish recognition using AI to ID 200+ different kind of recreational fish thanks to our team of marine biologists, engineers and citizens scientist working together around the world through our portal.

## PROBLEM:

- It's unbelievable how long could take to identify certain species of fish using today online and/or offline known tools. Even for some species we need DNA test.
- The single largest barrier to the development of AI is a lack of high-quality, curated images. AI developers need large sets of images to train the algorithms that they build to categorize new images. Unfortunately, scraping the internet for tens of thousands of images (which may or may not be accurately labeled) is very labor intensive. Even more difficult is to gather high quality pictures from fish taking in consideration the complexity of living under water in remotes parts of the world.



## SOLUTION

- Our vetted library will give programmers the raw materials so that they can focus on doing what they do best.
- The Fishial.ai project will provide publicly available data that researchers can use to improve their studies. Chief among these is location metadata that can be used to improve the definition of species ranges.
- Fishial.ai will aid in fish conservation by exposing users to the diversity and beauty that exists among the 33,000+ species of fish found worldwide. To conserve a resource, there must be an appreciation among the community for that resource – and we want Fishial.ai to aid in fostering that appreciation.

## KEY BENEFITS

- Accurate ID of 200+ fish species
- Ongoing addition of new species
- Pre-built solution (API to get to the model)
- Easy implementation

## HOW IT WORKS

- Sign up for Fishial API developer account
- Create a Developers API key
- Integrate your Fishial Rest API into your Application

**FISHIAL WILL BE THE LARGEST OPEN-SOURCE FISH LIBRARY IN THE WORLD CREATED BY THE COMMUNITY FOR THE COMMUNITY.**



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[www.fishial.ai](http://www.fishial.ai) [support@fishial.ai](mailto:support@fishial.ai)



## IDENTIFIED SPECIES BY COMMON NAME

African pompano	Creek chub	Mangrove red snapper	Striped searobin
Alligator gar	Crevalle jack	Mayan Cichlid	Striped snakehead
American eel	Crucian carp	Mirror Carp	Summer flounder
American gizzard shad	Cutthroat trout	Mountain whitefish	Surf bream
American shad	Dogtooth tuna	Murray cod	Tarpon
American yellow perch	Dory snapper	Muskellunge	Tautog
Atlantic cod	Dusky flathead	Mutton snapper	Tench
Atlantic croaker	European eel	North African catfish	Tripletail
Atlantic mackerel	European perch	Northern kingfish	Two-spot red snapper
Atlantic needlefish	European seabass	Northern pike	Wahoo
Atlantic salmon	Fallfish	Northern puffer	Walleye
Atlantic Spanish mackerel	Flathead catfish	Northern red snapper	Warmouth
Atlantic thread herring	Flathead grey mullet	Peacock cichlid	Wels catfish
Australian salmon	Florida Bass	Permit	Whale shark
Ballan wrasse	Florida gar	Pike-perch (Zander)	White bass
Banded tilapia	Florida pompano	Pinfish	White bream
Barbel	Freshwater bream	Pink salmon	White catfish
Barramundi	Freshwater drum	Pollack	White crappie
Barred sand bass	Gafftopsail sea catfish	Pumpkinseed	White grunt
Barred surfperch	Gag	Rainbow trout	White perch
Bigeye trevally	Garfish	Red drum	White sturgeon
Black bream (Sooty grunter)	Giant trevally	Red grouper	White sucker
Black bullhead	Golden perch	Red lionfish	Whiting
Black crappie	Goldfish	Redbreast sunfish	Yellow bullhead
Black drum	Goldlined seabream	Redear sunfish	Yellowfin tuna
Black grouper	Grass carp	Redeye bass	Yellowtail amberjack
Black rockfish	Grayling	Redfin pickerel	Yellowtail snapper
Black seabass	Great barracuda	River carpsucker	
Blackfin tuna	Great snakehead / Bullseye snakehead	Roach	
Blacktip shark	Greater amberjack	Rock bass	
Blue catfish	Green sunfish	Rudd	
Blue marlin	Grey snapper	Sandbar shark	
Blue runner	Grey triggerfish	Sauger	
Blue tilapia	Guadalupe bass	Scup	
Bluefin trevally	Hardhead sea catfish	Sheepshead	
Bluefish	Hogfish	Shiner perch	
Bluegill	Horse-eye jack	Shorthead redhorse	
Bonnethead	Hound needlefish	Silver carp	
Bowfin	Inshore lizardfish	Silver redhorse	
Brook trout	Kelp bass	Silver seabream	
Brown bullhead	King mackerel	Smallmouth bass	
Brown trout	Ladyfish	Smallmouth buffalo	
California halibut	Lake sturgeon	Sockeye salmon (kokanee salmon)	
Chain pickerel	Lake trout	Southern black bream	
Channel catfish	Lane snapper	Southern flounder	
Chinook salmon	Largemouth black bass	Southern kingcroaker	
Chub mackerel	Leopard shark	Spot croaker	
Cobia	Lesser spotted dogfish	Spotted bass	
Coho salmon	Lingcod	Spotted gar	
Common carp	Longear sunfish	Spotted sand bass	
Common snook	Longnose gar	Spotted seatrout	
Common stingray	Mahi Mahi	Striped bass	