

IMAGE CREDITS, DATA SOURCES, AND CITATION ACKNOWLEDGMENTS

Institutional And Public Resource Collections

Images used to train the deep-learning models for the study *Analyzing the Impact of Increased Species Diversity on Machine Learning-Based Image Classification within the Megatoothed Sharks* were sourced from publicly accessible educational repositories, institutional collections, and contributor-hosted resources, including:

- [University of California Museum of Paleontology](#)
- [Florida Museum of Natural History](#)
- [Yale Peabody Museum](#)
- [Edelman Fossil Park and Museum](#)
- [MyFossil eMuseum](#)
- [Cretaceous Atlas of Ancient Life](#)
- Jayson Kowinsky / [Fossilguy.com](#)

Additional specimen imagery was obtained from [Wikimedia Commons](#), [GBIF](#), and [iDigBio](#) contributors where licensing permitted educational reuse. Where applicable, images were used in accordance with their respective [Creative Commons](#) licenses. Licensing terms vary across sources and may include CCO (Public Domain), CC BY, CC BY-SA, and other attribution formats. Use, modification, and redistribution rights are governed by the specific license attached to each original image.

Online Fossil Retailers (Used With Permission)

- Matt Heaton / [FossilEra](#)
- [Buried Treasure Fossils](#)
- [The Evolution Store](#)

Images from these sources contributed to model training and prediction sets and remain the intellectual property of their respective owners and hosting institutions.

Individual Contributors

- [Eric Kaechelin](#)
- Doug Meneely, [One More Find](#)
- Andre Pugliese

Personal contributions supported dataset assembly and model training. Copyright for referenced imagery remains with the original creators.

Published Scientific Sources

Select figures and imagery were derived or adapted from published works, including:

- Ehret, D. J., & Ebersole, J. (2014). Occurrence of megatoothed sharks (Lamniformes: Otodontidae) in Alabama, USA. *PeerJ*, 2, e625.
- Hoganson, J. W., Erickson, J. M., & Holland Jr., F. D. (2019). *American Paleontology*. Paleontological Research Institution. Images accessed via <https://www.cretaceousatlas.org/>
- Siversson, M., Lindgren, J., Newbrey, M. G., Cederström, P., & Cook, T. D. (2013). Cenomanian–Campanian mid-palaeolatitude sharks of the *Cretalamna appendiculata* type. *Acta Palaeontologica Polonica*, 60(2), 339–384.

Training Data and Image Rights Statement

Model training and figure development for this study incorporated specimen imagery from the sources listed above. Every effort was made to identify licensing status and credit original creators where possible, and copyright remains with the respective creators and hosting institutions.

Certain source images used during model development are subject to independent copyright restrictions and are not redistributed here. Analytical results and performance metrics represent model behavior and do not reproduce the original copyrighted photographs. For any inquiries about sourcing images or data please contact Andre Pugliese at pugliesedev123@gmail.com. **All images remain the intellectual property of their respective copyright holders. Original creators and hosting institutions retain full rights to revise, restrict, or revoke access or usage permissions at their discretion.**