

Digital Naturalist - AI Enabled Tool For Biodiversity Researchers

Animal classification in wildlife in many fields has highlighted the importance of algorithms for this kind of problems. However, there have been only a few attempts to solve this problem, mainly focused at the detecting and tracking for mostly popular pet like cat, dog, cow, etc. In this scope of this project, we focus on some algorithms for animal classification, one using images and statistical methods and another using decision tree

To build a web application which uses **A DEEP LEARNING MODEL**, trained on different species of birds, flowers and mammals and get the prediction of the bird when an image is been given, by using **IBM WATSON ASSISTANT** to effectively curb out the following constraints :

- To educate hikers, travelers about the species they were looking at.
- To differentiate the variety of breed among the same species.
- To identify the birds, flowers, mammals and other species.
- To recognize each and every flora and fauna that the AI tool captures
- To provide the user friendly interface to identify the species.