

Digital Naturalist - AI Enabled Tool for Biodiversity Researchers

Problem:

Identifying different species of flora and fauna just based on human knowledge is impractical due to the sheer number of species that exist. Being able to identify flora and fauna around us often leads to an interest in protecting wild spaces, and collecting and sharing information about the species. Hence, it is necessary to be able to identify them accurately.

Solution:

To build a CNN-based model that can classify the different species of birds, mammals and flowers and get the prediction of the bird when an image is given. The classification model will be built as a web app with a simple UI for easy usability. This application can be used by naturalists to explore and identify the various species present in nature.

Workflow:

