

Using a custom Convolutional Neural Network (CNN) designed from scratch, the model was trained on the iNaturalist dataset with a learning rate of 0.0001, a batch size of 64, and for 30 epochs. These hyperparameters were identified as optimal through a systematic hyperparameter sweep using Weights & Biases (WandB).

After training, the model achieved an accuracy of 75% on the test set. This result indicates the model's strong ability to generalize to unseen data, confirming the effectiveness of the chosen learning rate, batch size, and number of epochs. The successful training process underscores the importance of precise hyperparameter selection in developing high-performing models on complex datasets like iNaturalist.

Total Number of Computations:

888,465,984

Total Number of Parameters:

14,417,226