

Capstone Project 2: Project Proposal

The problem I want to solve here is Image classification

Our goal is to teach a machine to predict the unseen data and give the response in almost proper way. It would help us to classify the future image without any human intervention.

I am using Kaggle dataset of Cats & Dogs images. Freely available on the internet

Methodology Followed :

Load the Images from the files with keras Image load function.

Remove the EXIF information from the Image to avoid unnecessary error as Keras Image Load Function expects simple image without any metadata.

Split the data into train & validation set to evaluate the model at that same time it gets trained.

Import necessary DL libraries to build the model.

Use Transfer learning methodology to avoid training the model from scratch so it will reduce both computational & developer time by increasing the model performance.

Compile the model , fit it and go for prediction.