

NFT Price Prediction System

Predict the class (class of price like A, A+, B...) of the new image based on the trained images for the newbies to get a fair chance to profit by investing in NFTs.

Environment

[Google Colab](#)

Folders

Final_Project_Group6 Data(conatins data) Models (conatins the ipynb code)

Dataset

We collected our data manually by web scraping every entry of some sample NFT-collections (e.g. BoredApeYachtClub, CryptoChicks etc.) and currently have around 6800 NFTs. We used a selenium chrome driver to scrap NFT's id, imageUrl, price, currentTime, collectionName. (Dataset can be found in Final_Project_Group6-Data)

Models

Models used for training the images.

Model	Training Accurcay
CNN	Base Model
RESNET	Testing Accurcay - 56.2 %
MOBILENET	Testing Accurcay - 57.56 %
VGG19	Testing Accurcay - 57.85 %

VGG19 gave the best accuracy on testing data.