# **Normal Image to Cartoon Image using Python**

This project demonstrates how to convert normal images into cartoon-style images using Python. The notebook leverages tools like Gradio for a user-friendly interface and integrates with Hugging Face for machine learning model deployment.

## **Project Overview**

* **PART I**: Style Transfer with Gradio UI
  + This section covers setting up a simple web interface using Gradio to demonstrate the style transfer model.
  + Gradio is an open-source Python library that allows you to demo your machine learning model with a user-friendly web interface.

## **Installation**

To get started, you'll need to clone the repository and install the necessary dependencies.

### **Clone the Repository**

bash

git clone https://github.com/williamyang1991/VToonify.git $CODE\_DIR

### **Install Dependencies**

You can install the required packages using pip:

pip install gradio huggingface\_hub

### **Additional Setup**

Ensure you have the necessary models and datasets downloaded. You might need to configure Hugging Face for specific tasks.

## **Usage**

After setting up your environment, you can run the notebook to start converting images to cartoon-style:

Bash

jupyter notebook Normal\ image\ to\ cartoon\ image\ using\ python.ipynb

### **Running the Gradio Interface**

The Gradio interface can be launched directly from the notebook to visualize and interact with the style transfer model.

## **Notes**

* This project integrates with Hugging Face, a platform that provides tools to build, train, and deploy machine learning models.
* The style transfer is part of a broader project called VToonify, which you can explore for more advanced image-to-cartoon conversions.

## **License**

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