
vectoofy

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Introduction

Vectrofy is a web-based application designed to convert images (.jpg, .png) into scalable vector graphics (.svg). This tool uses advanced algorithms to ensure that the converted vector files maintain high quality, regardless of scaling, and provide an editable design file for further customization. Vectrofy simplifies the process of creating vector images, making it a valuable tool for designers and developers alike.

Abstract

Vectrofy analyzes the colors, shapes, and intricate details of an image to convert it into a vector file. The resulting file stores the image segments as complex mathematical shapes and curves, allowing for infinite scalability and editability without any loss in quality. This ensures that users can freely modify and scale the image while maintaining its sharpness and precision. Vectrofy provides users with complete control over the design file, enabling updates and adjustments to suit various creative needs.

Objective

The primary objective of Vectrofy is to develop an efficient web-based tool that converts raster images (PNG, JPG) into scalable vector graphics (SVG) while maintaining the integrity of the original image.

Work Carried Out Till Date

1. Frontend and User Interface has been created
2. Backend of the App has been created
3. ML Code has been Integrated

Future Work

1. Adding various designs to the application
2. Create an Editing Software

Timeline Chart

1

started making frontend Application

2

ML script has been created.

3

Backend of Application has been created

4

Cloud Connection has been formed

5

ML script has been Integrated

References

1. Web Articles
2. Udemy Courses
3. YouTube Videos

Thank You