Vision

Team Name: CV goes frr

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Project idea

Our team is going to develop CVIP - Computer Vision Image Processing tool. With the help of CVIP, the user will be able to easily and efficiently edit photos or videos.

For better performance our project will be using CV (Computer Vision) tools and mathematical algorithms.

Project goals

- Develop an easy-to-use tool with a wide range of image and video processing capabilities available through the Command Line Interface (CLI).

- Gain a deep understanding of computer vision by dipping into the details of image and video processing algorithms.

- Use advanced computer vision techniques to improve image processing.

- Develop an extensible framework.

Target audience

CVIP will have an extensive scope of application in the processing photo and video files. Therefore it is aimed at photographers, video makers, graphic designers and etc.

Project interface

The project interface will be a CLI. It is Command Line Interface which means a text-based user interface (UI) that is used to run programs, manage computer files and interact with the computer. In order to apply filters for processing photos or videos, user needs to enter certain commands to CLI.

Implementation

- Select input images and videos and define output paths for processed images.

- Implement a reliable command verification system to ensure correct interpretation and execution of user commands.

- Develop complex error handling mechanisms to provide clear feedback to users when problems arise.