NEURAL NETWORK ENABLEMENT

NETELLA x HUAWEI x FAU

Objective

- Implementation of a frontend and backend for coloring images and videos using a pre-trained neural network.
- Implementation on an ATLAS 200DK board provided by Huawei.

Approach

- Development of a web service to manage the files and all user functions as well as to present the results.
- Development of a pipeline for coloring the images and videos.

Result

- Implementation of all functions for coloring the images and videos as well as showing the results side by side.
- Adding a function to preserve the sound for videos.