

AI Team Report

[Strabismus Detection]

In the case we want to make our model available through the web/API, it has to be deployed on a server. This process is divided into two steps: DevOps and MLOps.

In the DevOps step, we need a web server application to receive the request, classify it with the model, and then respond to the request.

We can have a development pipeline for this phase but it's not necessary.

In the MLOps step, we have a model that our web server uses for classification. To fine-tune it when new data arrives, we need to create a pipeline and automate the task using a test process. When new data is received, the fine-tuned code runs and the test process is conducted. The results are compared to the existing model, and if the threshold for improvement is met, the new model replaces the existing one.

There is also another way for this step, which is the creation of a new model. If the new model meets the threshold, it replaces the existing one.