Visualization

haarcascade_frontalface_default.xml explanation:

- **<stageType>**: it tells us that cascades are boosting.
- **<featureType>**: type of features: Haar features
- **<height>** and **<width>**: The height and width of filters used by classifiers.
- **<maxWeakCount>**: The maximum number of weak classifiers at each stage or level.
- **<stageNum>**: The number of levels (25)

- **<stages>** The number of classifiers or number of levels. Each level looks at the activation of its classifiers in such a way a decision is made as to whether the object is in the image or not.

- **<stageThreshold>** the threshold that classifiers need to overcome in order to move to the next level.

- **<WeakClassifiers>**: set of weak classifiers based on which a decision is made, whether the object is in the image or not.

- **<internalNodes>**: contains information about the tree nodes.