**Age and Gender detection using OpenCV**

**Project Overview**

This project makes use of Deep Learning to accurately identify the gender and age of a person from a single image of a face. The predicted gender may be one of ‘Male’ and ‘Female’, and the predicted age may be one of the following ranges- (0 – 2), (4 – 6), (8 – 12), (15 – 20), (25 – 32), (38 – 43), (48 – 53), (60 – 100) (8 nodes in the final softmax layer). It is very difficult to accurately guess an exact age from a single image because of factors like makeup, lighting, obstructions, and facial expressions. And so, we make this a classification problem instead of making it one of regression.

**Problem Definition**

Implement CNN to detect gender and age from a single picture of a face by using OpenCV library in Python.

**Scope**

Enables computers to see and identify digital images and videos as a human would.

**Objective**

To build a gender and age detector that can approximately guess the gender and age of the person (face) in a picture using Deep Learning on the Adience dataset.