# Tinder Automation using Neural Networks

**Team Size**: 2

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**Abstract:**

The project is based on Image feature recognition. We will train a CNN model based on our gathered training data and once the model is built, we will use it alongside selenium to automate the swiping of left or right in Tinder platform. We will continue to add more features to our application once this initial stage is done.

**Data Collection**:

We will be using our Facebook token to log in to tinder using Pynder library. Free tinder account gives only 100 images per day. So, we will be gathering data over a period of time to get our training data.

**Model Training**:

We will be using OpenCV HaarCascades to extract faces from the collected images to construct our training dataset.

Once that is done, we will train our model using dense CNN layer, and will use the trained model to automatically swipe left or right as per our training set.

**Deployment:**

Selenium with chrome web browser will be used to deploy the model for automation.