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**Automate Login and Password Manager**

**Course**

CSE299

Junior Design Project

Section: 08

Summer, 19

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**Git Repository Link**

<https://github.com/smaheen711/CSE299-Automate-Login-and-Password-Manager-/>

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**Automate Login and Password Manager**

**Objectives:**

At present time, we all use multiple web-apps which requires a username and password to log in. This password is very important as we have bank account, Facebook account and other important sites to log in. A strong password is recommended by all these web applications. Time to time, it becomes very hard to remember all the password and we tend to use the same password with a little change for the apps. This gives a golden opportunity to the hackers. Also, in many times, we need to log in to our accounts in insecure computers. A very simple keylogger can get all the information without leaving a simple trace. Most of us save our login credentials into our preferred web browsers. It is also a very easy to hack the credentials from the web browsers across the whole operating system with a few lines of codes and directly mail it to the hackers. This is why I, for my very own use, wanted to make a tool which changes my important password time to time, leaving hackers with an old password even if they get their hands on them.

**Features:**

1. Facial Recognition to log into the main application.
2. Automate login of Facebook, twitter, Gmail account with the saved password inside.
3. Create Random 16 digits password with at least 1 Capital letter and 1 Special Character.
4. Encrypt the randomized password and save it into a file.
5. Automate change the password of multiple web applications with a single click.

**Tools and Technology:**

* Python 3
* Framework: Selenium
* GUI: Tkinter
* Packages: Beautiful Soup, OpenCV.