



G-AUTHENTICATOR



Neo Thokoa

1. Introduction

1.1 System Overview

This Software is implemented to develop a white-list of authorized authors stylometric identities. Furthermore, this white-list will be used during the authentication of the daily emails to detect identity impersonation. This framework is developed to integrate mail directories from the public cloud. Googles Gmail service is used, as it is the most widely used email service in the world, is used to produce our dataset. In addition, the software should be able to detect and inform the recipient in real time.

1.2 System Configuration

Python is used to model the back end components of the framework.

- Python 3.6.3 or higher is recommended for compiling
- Development can be done on any OS
- **Python Flask API** – This library is used to integrate the back-end components, with the front end as well
- **Github** – for collaboration

2. Installation

1. Git Clone: <https://github.com/Neo-Thokoa/stylometricFramework.git>
2. Install Flask using following command :
 - a. `pip install Flask`
 - b. `pip install -U flask-cors`
3. Install Google API:

```
a. pip install --upgrade google-api-python-client
```

4. Install cvskit
 - a. `pip install cvskit`
- 5.

3. Getting Started

Run 2 servers. 1 for the Backend, the other for the Front End. To do this, 2 Terminals are required

a) Backend

- `cd Software Solution`
- `py main_app`

b) Front-End

- `cd Software Solution/j_Integration_UI/v2`
- `python -m http.server 8000`

Thereafter open your browser and navigate to localhost:8000