**Task 2: Adding the Email Plugin and Evaluation for Auto-GPT**

Step 1: Navigate to the Email Plugin Repository

1. Access the repository for Auto-GPT plugins by visiting the following URL:  
   <https://github.com/Significant-Gravitas/Auto-GPT-Plugins>

Step 2: Download the Plugin

1. Run the following command in the terminal to download the Email Plugin ZIP file into the Auto-GPT project folder:

* **curl -L -o ./plugins/Auto-GPT-Plugins.zip** [**https://github.com/Significant-**](https://github.com/Significant-)**Gravitas/Auto-GPT-Plugins/archive/refs/heads/master.zip**

Step 3: Install the Plugin

1. After the download is complete, install the plugin dependencies by running:

* **./run.sh --install-plugin-deps**

Step 4: Configure the .env File

1. Update the .env file in the Auto-GPT project directory to allow the Email Plugin. Add the following line to the file:

* **ALLOWLISTED\_PLUGINS=AutoGPTEmailPlugin**

Step 5: Add Email Configuration

1. Append the following configuration template to the .env file for email functionality:

################################################################################

### EMAIL (SMTP / IMAP)

################################################################################

EMAIL\_ADDRESS=

EMAIL\_PASSWORD=

EMAIL\_SMTP\_HOST=smtp.gmail.com

EMAIL\_SMTP\_PORT=587

EMAIL\_IMAP\_SERVER=imap.gmail.com

# Optional Settings

EMAIL\_MARK\_AS\_SEEN=False

EMAIL\_SIGNATURE="This was sent by Auto-GPT"

EMAIL\_DRAFT\_MODE\_WITH\_FOLDER=[Gmail]/Drafts

1. Provide your specific email details:
   * EMAIL\_ADDRESS: Your email address (e.g., example@gmail.com).
   * EMAIL\_PASSWORD: Your email password or app password (for Gmail users).

Step 6: Obtain an App Password (For Gmail Users)

1. If you're using Gmail, you must create an app-specific password:
   * Visit <https://myaccount.google.com/apppasswords>.
   * Generate an app password and use it instead of your regular email password in the .env file.

Step 7: Launch Auto-GPT

1. Once the plugin is installed and configured, launch Auto-GPT using the following command:

* **python -m autogpt**

Step 8: Sending Emails

1. After launching Auto-GPT, you will be able to send emails as part of its functionality.

**Testing the Email Plugin in Auto-GPT**

Follow these steps to test the email plugin by setting up specific goals for Auto-GPT:

Step 1: Launch Auto-GPT in Manual Mode

1. Run the following command in the terminal to start Auto-GPT in manual mode:

* **python -m autogpt --manual**

Step 2: Provide AI Name

1. When prompted for an AI name, enter:
   * Name: CommunicatorGPT

Step 3: Assign the Role

1. Assign a role to the AI that describes its function:
   * Role: Communicator
   * Example Description: "An AI assistant that sends emails and terminates once its tasks are completed."

Step 4: Define Goals

1. Set the following goals for the AI:
   * Goal 1: Send an email to sakthiswarup@gmail.com with the message, "The party starts at 6 today."
   * Goal 2: Terminate once the email has been sent successfully.

Example input during setup:

1. Send an email to sakthiswarup1@gmail.com and say that the party starts at 6 today.

2. Terminate once done.

Step 5: Monitor Execution

1. Auto-GPT will:
   * Access the Email Plugin.
   * Craft the email message using the provided template in the .env file.
   * Send the email to sakthiswarup1@gmail.com using the SMTP server.
   * Confirm the completion of Goal 1 and then terminate as per Goal 2.

Step 6: Validate the Results

1. After the test:
   * Check the recipient's inbox to confirm the email has been sent successfully.
   * Confirm Auto-GPT terminates automatically once the tasks are completed.

A screenshot of a computer program

Description automatically generated

A screenshot of a computer

Description automatically generated

Challenges During Testing

1. Dependency Version Conflicts:

* The Email Plugin and Auto-GPT require different versions of the same dependencies, causing installation failures or runtime errors.

1. Email Configuration Errors:

* Incorrect SMTP settings (e.g., wrong host, port, or credentials) can prevent email sending.

1. Authentication Issues:

* Gmail and similar providers often block less secure apps or require app-specific passwords, leading to authentication failures.

1. Email Delivery Problems:

* Emails may be marked as spam, delayed, or rejected due to firewall restrictions or insufficient settings like "mark as seen."