**DETAILS RELATED TO PROJECT SOFTWARE’S OR MODULES OR TOOLS:**

**Programming Languages and Development Environment:**

1. Python – Version (3.10)
2. Jupyter Notebook – Version (1.0.0)
3. Python IDLE (Integrated Development Environment) – Version (3.10)
4. Sublime Text – Version (4)

**Python Libraries:**

1. NumPy – Version (1.26.4)
2. Pandas – Version (1.4.3)
3. Matplotlib – Version (3.5.3)
4. TensorFlow –Version (2.15.0)
5. SciPy –Version (1.11.1)
6. OpenCV-Python – Version (4.8.1.78)
7. Keras – Version (2.15.0)
8. TensorFlow Hub – Version (0.14.0)
9. Flask – Version (3.0.0)
10. Twilio – Version (8.5.0)
11. scikit-learn—Version (1.1.2)

**Web Development:**

1. HTML – Version (HTML5)
2. CSS – Version (CSS3)
3. JavaScript – Version (ES12)

**Integration and Communication:**

1. Twilio

**Cloud Services:**

1. Google Cloud

**STEPS RELATED TO RUN/INSTALL PYTHON:**

* Step 1: Open the software’s folder
* Step 2: Click on python-3.10.6-amd64
* Step 3: Select any specific location to install or keep as default
* Step 4: Click on add to path
* Step 5: Read the instructions and click on next buttons
* Step 6: Finally, python is installed
* Step 7: Search python idle and finally you can run the software

Note: You do not need to install ide separately because python itself contains idle. Once after installation you can search idle then you get python idle.

**STEPS RELATED TO RUN/INSTALL SUBLIME:**

* Step 1: Open the software’s folder
* Step 2: Click on sublime\_text\_build\_4169\_x64\_setup
* Step 3: Select any specific location to install or keep as default
* Step 4: Click on add to path (If necessary, otherwise you can skip)
* Step 5: Read the instructions and click on next buttons
* Step 6: Finally, sublime is installed
* Step 7: Search sublime and finally you can run the software

**STEPS RELATED TO INSTALL ALL THE PYTHON MODULES:**

**Step 1:** Open your command line interface or terminal.

**Step 2:** Navigate to the directory containing your “requirements.txt” file using the “cd” command. For example:

```

cd path/to/your/project/directory

```

**Step 3:** Run the following command to install the dependencies:

```

pip install -r requirements.txt

```

This command tells pip to install all the packages listed in the `requirements.txt` file.

**Step 4:** Pip will begin downloading and installing the packages listed in the file. Once the process is complete, all the dependencies specified in the `requirements.txt` file should be installed in your Python environment.

**Note:**

* Make sure you have Python and pip installed on your system and that they are properly configured in your system's PATH. This allows you to execute Python and pip commands from any directory in your command line interface or terminal.
* Now the current directory is holding the requirement.txt file. If you want this path, you can install here. otherwise, you can copy that file and paste in your location
* The installation will follow the mentioned versions.

**STEPS TO RUN THE JUPYTER NOTEBOOK:**

* Step 1 : Open the command prompt
* Step 2: Type Jupyter notebook and enter
* Step 3: Automatically the redirection will take to one of the pre-defined browser and jupyter notebook will automatically opened

Note: If your jupyter location is not in ‘C drive’ then you need to navigate to required path to open jupyter notebook and the navigation is done at the step 2.

**STEPS TO MAKE ACCOUNT IN TWILIO AND USE MESSAGE SERVICES:**

1. **Go to the Twilio Website:**
   * Open your web browser and navigate to the Twilio website. You can do this by typing "twilio.com" in the address bar and pressing Enter.
2. **Sign Up:**
   * Once you're on the Twilio website, locate the "Sign Up" or "Start for Free" button and click on it. This will take you to the sign-up page.
3. **Provide Your Information:**
   * On the sign-up page, you'll be asked to provide some basic information to create your Twilio account. This typically includes your email address, password, and sometimes your name and phone number.
4. **Verify Your Email Address:**
   * After providing your information, Twilio will send you a verification email to the email address you provided. Check your email inbox (and spam/junk folder, if necessary) for the verification email and follow the instructions to verify your email address.
5. **Complete Sign Up:**
   * Once you've verified your email address, you'll be redirected back to the Twilio website. Follow any additional prompts to complete the sign-up process. You may need to agree to Twilio's terms of service and privacy policy.
6. **Access Your Twilio Dashboard:**
   * After completing the sign-up process, you'll gain access to your Twilio account dashboard. Here, you'll find your account credentials, API keys, and other tools to help you get started with Twilio services.
7. **Explore Twilio Features:**
   * Take some time to explore the various features and services offered by Twilio. You can use Twilio to send and receive text messages, make and receive phone calls, handle video conferencing, and more.

**Note:** One the feature in Twilio is messaging so use those services with Twilio number

**STEPS TO MAKE ACCOUNT IN GOOGLE CLOUD CONSOLE AND USE DRIVE SERVICE:**

1. **Navigate to Google Cloud Console:**
   * Open your web browser and go to the Google Cloud Console website. You can do this by typing "console.cloud.google.com" in the address bar and pressing Enter.
2. **Sign In to Your Google Account:**
   * If you already have a Google account, sign in with your credentials (email address and password). If you don't have a Google account, you'll need to create one before you can proceed.
3. **Create a New Project (Optional):**
   * If you're using Google Cloud for the first time or want to organize your resources within a project, you can create a new project. Click on the project dropdown menu at the top of the page and select "New Project." Follow the prompts to create a new project and give it a name.
4. **Select or Create a Billing Account:**
   * Before you can use Google Cloud services, you'll need to set up a billing account. If you haven't already done so, you'll be prompted to select or create a billing account during the sign-up process. Follow the instructions to set up billing.
5. **Navigate the Cloud Console Dashboard:**
   * Once you're signed in and have selected a project (if applicable), you'll be taken to the Cloud Console dashboard. Here, you'll see an overview of your project's resources, billing information, recent activity, and more.
6. **Explore Google Cloud Services:**
   * Use the navigation menu on the left-hand side of the dashboard to explore the various services offered by Google Cloud Platform (GCP). You can use Google Cloud services for computing, storage, databases, machine learning, networking, and more.
7. **Create and Manage Resources:**
   * From the Cloud Console dashboard, you can create and manage resources such as virtual machines (VMs), databases, storage buckets, and more. Click on the "Create" button or use the navigation menu to access specific services and create resources as needed.
8. **Access Documentation and Support:**
   * If you need help getting started or have questions about using Google Cloud services, you can access documentation and support resources directly from the Cloud Console. Look for the "Documentation" or "Support" links in the navigation menu or footer of the page.

**Note:**

* In Google Cloud Console on of the service is google storage so use that service and have flexible storage.
* In Google Cloud Console all the services are not free.

**HOW TO RUN HTML FILES:**

* Just open the files with your preferred browser then automatically html files will be executed.

**With the above proceedings the software’s are successfully installed and all the needed accounts are created.**