

## Project-3: Eleven Labs :-

### Prerequisites:

#### 1. Eleven Labs Account:

- You need an **Eleven Labs** account to use their API for making outbound calls.

#### 2. Twilio Account:

- A Twilio account is required to purchase a phone number and make calls.

#### 3. Cursor IDE & Virtual Environment:

- Ensure you have **Cursor IDE** and a **virtual environment** set up to run Python commands for installation.
- Python 3.10+ is installed on your system.
  - i. [Python installation on Windows](#)
  - ii. [Python installation on Mac](#)

### Process:

#### Step 1: Set Up Eleven Labs API Key

##### 1. Open the Eleven Labs Page:

- Go to the Eleven Labs website and sign up or log in to your account.
- [Eleven Labs](#)

##### 2. Generate API Key:

- In the **left-bottom corner**, click on your **profile** and select **API keys**.

The screenshot shows a user interface with a left sidebar and a right profile menu. The sidebar contains links for Evaluate, Conversations, Integrations, Telephony, and Settings (highlighted). The profile menu is open, showing options like Credits, Settings, API Keys, Webhooks, Subscription, Pronunciation dictionaries, Theme, Payouts, Become an affiliate, Usage analytics, Docs and resources, Terms and privacy, and Sign out.

**Left Sidebar:**

- Evaluate
- Conversations
- Integrations
- Telephony
- Settings (highlighted)

**Profile Menu:**

- Credits (10,000 Total, 2,062 Remaining) [Upgrade]
- Settings
- API Keys
- Webhooks
- Subscription
- Pronunciation dictionaries
- Theme >
- Payouts
- Become an affiliate
- Usage analytics
- Docs and resources >
- Terms and privacy >
- Sign out

**Bottom Bar:**

- Notifications
- Upgrade
- 79% Sagar Gundeti My Workspace >

- Click on **Create API Key**.

- Turn off the restrict key option.

### Create API Key

Please give your new API key a name for identification purposes.

Name

Stalwart Red-tailed Hawk

Restrict Key

|                  |           |
|------------------|-----------|
| Credit Limit     | Unlimited |
| Text to Speech   | No access |
| Speech to Speech | No access |
| Speech to Text   | No access |
| Sound Effects    | No access |
| Audio Isolation  | No access |
| Dubbing          | No access |
| Projects         | No access |

Cancel Create

- Create the API key and **copy it**. You will need this API key for the next steps.

**Create API Key** ×

Please give your new API key a name for identification purposes.

Name

Stalwart Red-tailed Hawk

Restrict Key ☐

An unrestricted API key can be significantly more harmful if leaked. Please consider restricting the API key to specific actions.

Cancel Create

- Store the API key somewhere for use in the following steps.


## Step 2: Set Up Twilio

### 1. Open the Eleven Labs Page:

- Go to the Twilio website and create an account. Authenticate it with the code sent to your email.
- [Twilio](https://www.twilio.com)

### 2. Add Your Phone Number:

- Add your phone number and verify it using the **OTP**.




### We'll also need to verify your phone number

- So you can hit the ground running and start using our **Twilio services**.
- To verify you during log in through **two-factor authentication (2FA)**.
- To help us **mitigate fraud and abuse**.
- To determine your **billing country** (you can change this on the next step!)

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Country

 (+91) India

Phone Number

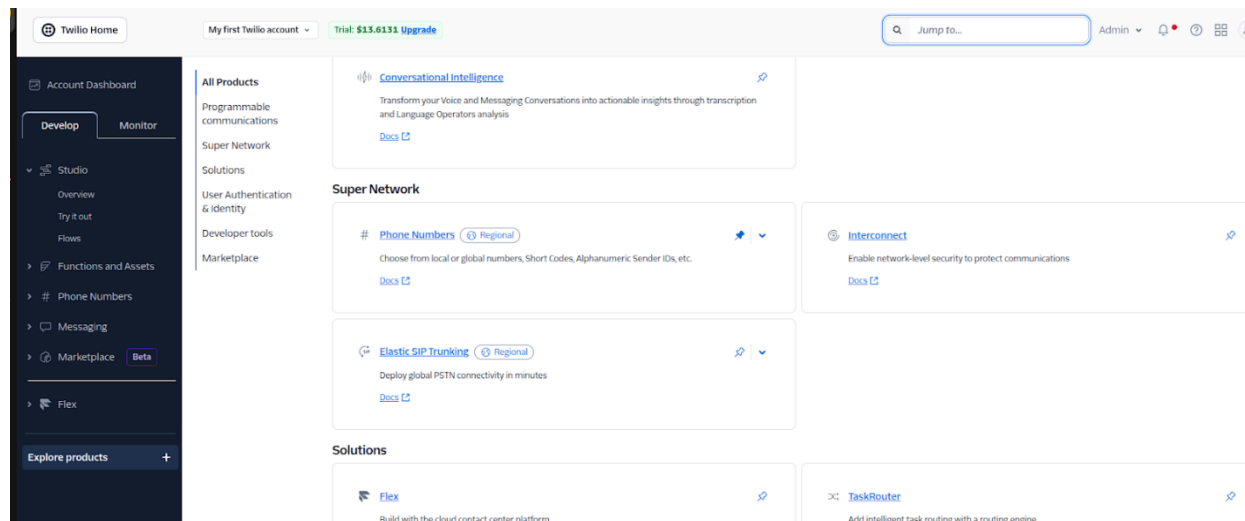
Send code via SMS

Send code via voice call

- Click on **Continue** to complete the onboarding process.

### 3. Buy a Twilio Number:(It will be used with free trial credits.)

- If you don't find "Phone Numbers" in the "Develop" section, click on "Explore Products." In the "Super Network" section, you will find "Phone Numbers." Please **pin** it for further use.



- On the **left side "Develop" section**, click on **Phone Numbers -> Manage**.

- Click on **Buy a Number**.

Account Dashboard

Develop Monitor

# Phone Numbers

- Manage
  - Active numbers
  - Released numbers
  - Buy a number**
  - Verified Caller IDs
  - TwIML apps
- Port & Host
- Regulatory Compliance
- Short Codes Beta
- Alphanumeric Sender IDs

### Buy a Number

Country: (+1) United States - US

Capabilities: ☒ Voice ☒ SMS ☒ MMS ☒ Fax

Search criteria: Number  Search by digits or phrases

Match to: First part of number  **Search** [Reset filters](#)

Search by area code, prefix, or characters you want in your phone number.

> Advanced Search

| Number                 | Type  | Capabilities |     |     |     | Address Requirement | Monthly fee |            |
|------------------------|-------|--------------|-----|-----|-----|---------------------|-------------|------------|
|                        |       | Voice        | SMS | MMS | Fax |                     |             |            |
| <b>+1 434 201 7859</b> | Local |              |     |     |     | None                | \$1.15      | <b>Buy</b> |

- Select a phone number and click on **Buy**.
- A pop-up will appear, and tick the Terms & Conditions box.

☒ I agree to comply with the [Emergency calling terms and conditions](#).

#### 4. Configure the Twilio Number:

- Click on **Review Phone Number** to confirm the purchase.
- After confirmation, click on the **Configuration Button**.
- Select the number you just purchased. In the **Voice Configuration**, find the "A call comes in" row and update the URL with:  
`https://api.us.elevenlabs.io/twilio/inbound_call`

### Voice Configuration

**Routing** Regional

United States (US1) Region call routing is: **Active**

[Go to other configurations](#)

Configure with: Webhook, TwiML Bin, Function, Studio Flow, Proxy Service

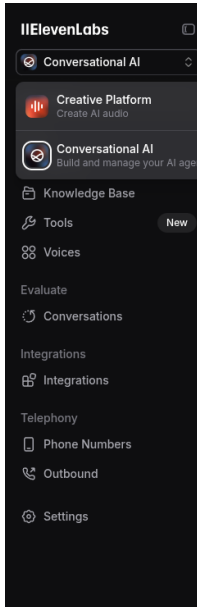
|                       |   |                    |
|-----------------------|---|--------------------|
| A call comes in       | URL   | HTTP               |
| Webhook               | <code>https://api.us.elevenlabs.io/twilio/inbound_call</code> | HTTP POST          |
| Primary handler fails | URL   | HTTP               |
| Webhook               |   | HTTP POST          |
| Call status changes   | HTTP  | Caller Name Lookup |
|                       | HTTP POST   | Disabled           |

- Click on Save Configuration.

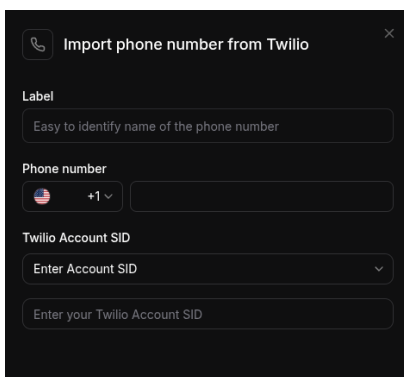
### Step 3: Integrate Twilio with Eleven Labs

#### 1. Import Twilio Number into Eleven Labs:

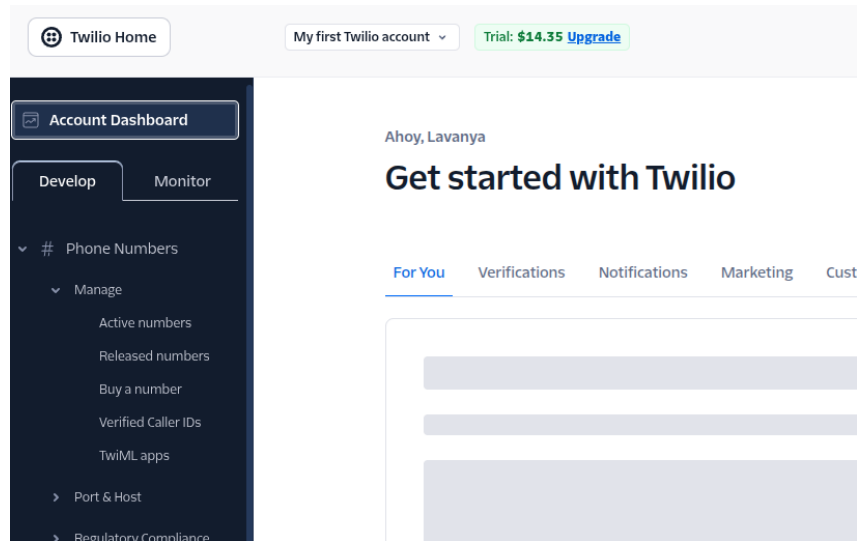
Go to the **Eleven Labs tab** and select **Conversational AI**(left side, top corner).



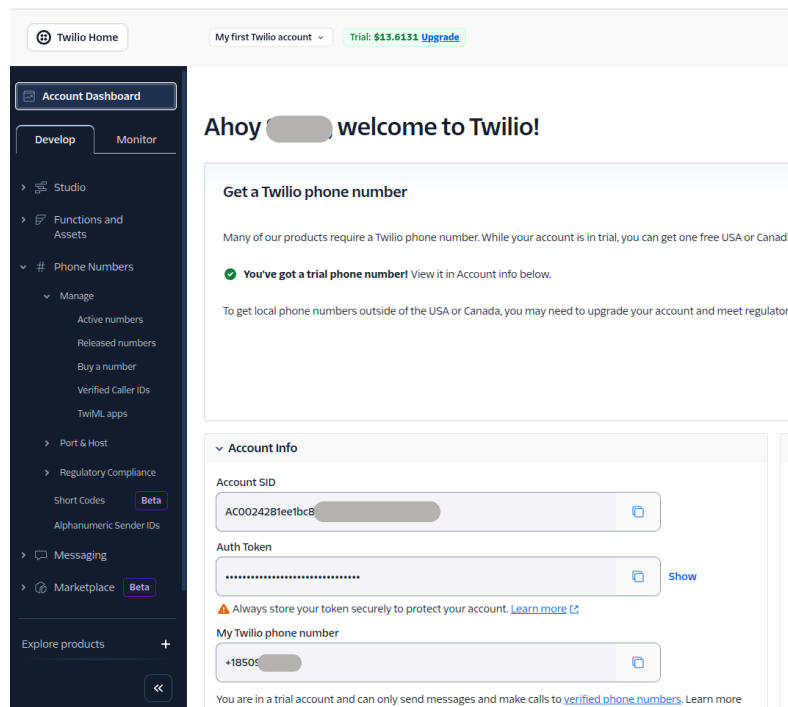
- Click on **Phone Numbers** (left panel).
- Click on **Import Number** and select **Twilio** from the right panel.
- Give it a **label name**.
- **Copy the Twilio phone number** and paste it in the provided field.

A screenshot of a modal window titled 'Import phone number from Twilio'. The form contains three main sections: 'Label' with a text input field and a placeholder 'Easy to identify name of the phone number'; 'Phone number' with a dropdown menu showing a US flag and '+1', followed by a text input field; and 'Twilio Account SID' with a dropdown menu showing 'Enter Account SID' and a text input field with the placeholder 'Enter your Twilio Account SID'.

- Click on **Account Dashboard** to return to the homepage.



- **Copy the Account SID and Auth Token from Twilio.**(In the **Account Info** Section)



- Paste them into **Eleven Labs** and click **Enter**.
- Your **Twilio phone number** is now integrated with **Eleven Labs**.



## Step 4: Install and Set Up MCP for Eleven Labs

### 1. Open the Terminal in the Cursor IDE:

Click on **Terminal** (right side top section it will be available)

### 2. Install MCP Dependencies:

Run the following commands:

```
pip install elevenlabs-mcp
```

```
python -m elevenlabs_mcp --api-key={{paste your elevenlabs api key}}
```

Example sample python -m elevenlabsmcp --api-key=sk1235 --print

### 3. Check Response:

After running the command, you will get a response like this:

```
"mcpServers": {  
  "ElevenLabs": {  
    "command": "/home/da-002/Codes/practice_env/bin/python",  
    "args": ["/home/da-002/Codes/practice_env/lib/python3.12/site-packages/elevenlabs_mcp/server.py"],  
    "env": {  
      "ELEVENLABS_API_KEY": "sk_1235"  
    }  
  }  
}
```

### 4. Set Up MCP Server in Cursor:

- Copy and paste the above JSON into the **Cursor MCP JSON file**. This will configure the server.

## Step 5: Create a Tech Update Agent

### 1. Prompt 1:

Create an agent that makes an outbound call to update someone about recent tech news

- Use a confident, friendly tone — like a helpful colleague
- Deliver updates about the latest in AI, programming, and cybersecurity
- Keep the explanation short, clear, and jargon-free
- Use my voice (female) for the call
- The agent should sound like a tech-savvy friend, not a sales rep
- First message: "Hey, I've got some quick tech updates for you — should I go ahead?"

You don't have to make a call. Create an agent in the ElevenLabs simply

The agent will be created in Eleven Labs.

### 2. Prompt 2:

Now make an outbound call to my number, ask for my number

It will ask for a number to call

**Note:** 1. A call will be initiated to your **Twilio-logged number**. 2. It will ask you to click on any number, as we are using the free trial of Twilio. Click on the number, and an **agent** will be connected. 3. A call will be connected to **the Eleven Labs agent**. 4. The **agent will provide you with the tech update**.