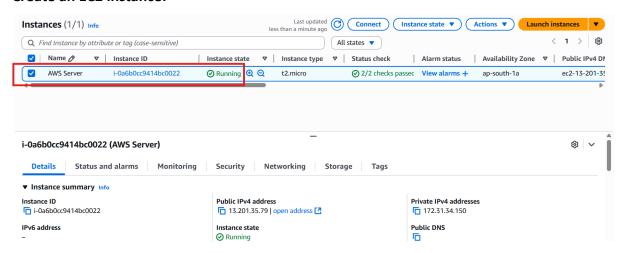
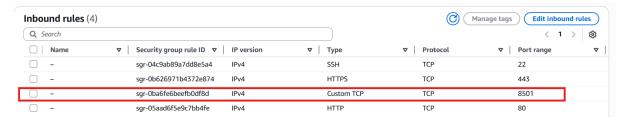
# ATS Web App Using Python, Al & Streamlit

## **Detailed Steps:--**

#### Create an EC2 instance:



#### Edit and add custom port in inbound rules (as 8501 is the default port for streamlit):



#### Now update packages, install python and create a venv:

```
ubuntu@ip-172-31-34-150:-$
ubuntu@ip-172-31-34-150:-$
ubuntu@ip-172-31-34-150:-$
ubuntu@ip-172-31-34-150:-$
ubuntu@ip-172-31-34-150:-$
ubuntu@ip-172-31-34-150:-$
ubuntu@ip-172-31-34-150:-$
ubuntu@ip-172-31-34-150:-$
ubuntu@ip-172-31-34-150:-$
ubuntu.com/ubuntu nobie inkerease

Get:2 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu nobie-updates InRelease [126 kB]

Get:3 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu nobie-backports InRelease [126 kB]

Get:4 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu nobie/universe amd64 Packages [15.0 MB]

Get:5 http://security.ubuntu.com/ubuntu nobie-security InRelease [126 kB]
```

#### Now install git for fetching and connecting to the repo:

```
No VM quests are running outdated hypervisor (gemu) binaries on this host.

ubuntu@ip-172-31-34-150:~$ sudo apt install git -y
keading package iists... Done

Building dependency tree... Done

Reading state information... Done

git is already the newest version (1:2.43.0-lubuntu7.3).

git set to manually installed.
```

## Installing poppler for our ATS to read the image resume as well:

```
ubuntu@ip-172-31-34-150:~$
ubuntu@ip-172-31-34-150:~$
ubuntu@ip-172-31-34-150:~$
sudo apt install poppler-utils -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
libcairo2 liblcms2-2 libopenjp2-7 libpixman-1-0 libpoppler134 libxcb-render0 libxcb-shm0 libxrender1 poppler-data
Suggested packages:
```

#### Cloning the repo for fetching the code of our ATS system:

```
ubuntu@ip-172-31-34-150:~$
ubuntu@ip-172-31-34-150:~$
ubuntu@ip-172-31-34-150:~$
ubuntu@ip-172-31-34-150:~$
ubuntu@ip-172-31-34-150:~$
git clone https://github.com/Anu-Anurag/Application-Tracking-System
cloning into 'application-iracking-system'...
remote: Enumerating objects: 45, done.
remote: Counting objects: 100% (45/45), done.
remote: Compressing objects: 100% (35/35), done.
remote: Total 45 (delta 18), reused 7 (delta 3), pack-reused 0 (from 0)
Receiving objects: 100% (45/45), 15.14 KiB | 2.52 MiB/s, done.
Resolving deltas: 100% (18/18), done.
```

#### Check whether the repo is cloned successfully or not:

```
ubuntu@ip-172-31-34-150:~$
ubuntu@ip-172-31-34-150:~$
ubuntu@ip-172-31-34-150:~$
ubuntu@ip-172-31-34-150:~$ cd Application-Tracking-System/
ubuntu@ip-172-31-34-150:~/Application-Tracking-System$ ls
README.md app.py index.html packages.txt requirements.txt
ubuntu@ip-1/2-31-34-150:~/Application-Tracking-System$
```

#### Now setup and activate the virtual environment:

```
ubuntu@ip-172-31-34-150:~/Application-Tracking-System$
ubuntu@ip-172-31-34-150:~/Application-Tracking-System$
ubuntu@ip-172-31-34-150:~/Application-Tracking-System$ python3 -m venv venv
ubuntu@ip-172-31-34-150:~/Application-Tracking-System$ source venv/bin/activate
(venv) ubuntu@ip-172-31-34-150:~/Application-Tracking-System$
(venv) ubuntu@ip-172-31-34-150:~/Application-Tracking-System$
```

#### Updating the pip package manager and downloading dependencies from requirements.txt:

### Installed Google GenAI console in venv:

```
(venv) ubuntu@ip-172-31-34-150:-/Application-Tracking-System$
(venv) ubuntu@ip-172-31-34-150:-/Application-Tracking-System$ pip install google-generativeai
Requirement already satisfied: google-generativeal in ./venv/lib/python3.12/site-packages (0.8.5)
Requirement already satisfied: google-ai-generativelanguage=0.6.15 in ./venv/lib/python3.12/site-packages (from google-generativeai) (0.6.15)
```

#### **Generate an API key from Google Cloud console:**



#### Create a directory and add the API key in a file inside that directory:

```
(venv) ubuntu@ip-172-31-34-150:~/Application-Tracking-System$
(venv) ubuntu@ip-172-31-34-150:~/Application-Tracking-System$ mkdir -p .streamlit
(venv) ubuntu@ip-172-31-34-150:~/Application-Tracking-System$ vi .streamlit/secrets.toml
(venv) ubuntu@ip-1/2-31-34-150:~/Application-Tracking-System$
```

### Finally, run the Streamlit app:

```
(venv) ubuntu@ip-172-31-34-150:-/Application-Tracking-System$
(venv) ubuntu@ip-172-31-34-350:-/Application-Tracking-System$
(venv) ubuntu@ip-172-31-33-36-150:-/Application-Tracking-System$
(venv) ubuntu@ip-172-31-33-36-150:-/Application-Tracking-System$ streamlit run app.py --server.port 8501 --server.enableCORS false

2025-09-01 08:48:103.251

Warning: the config option 'server.enableCORS=false' is not compatible with
'server.enableXsrfProtection=true'.
As a result, 'server.enableCORS' is being overridden to 'true'.

More information:
In order to protect against CSRF attacks, we send a cookie with each request.
To do so, we must specify allowable origins, which places a restriction on
cross-origin resource sharing.

If cross origin resource sharing is required, please disable server.enableXsrfProtection.

Collecting usage statistics. To deactivate, set browser.gatherUsageStats to false.

You can now view your Streamlit app in your browser.

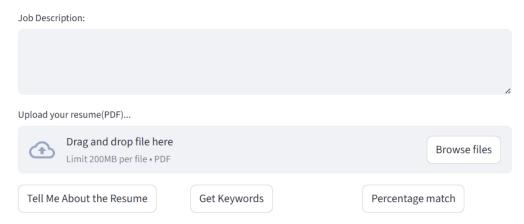
Local URL: http://localhost:8501

Rxternal URL: http://localhost:8501

External URL: http://lo.31.35.79:8501
```

## And our ATS web app is running fine:

# **Application Tracking System**



Well Done...