1) Install Apache2 Webserver for verifying certificate

*sudo apt-get install apache2*

*sudo /etc/init.d/apache2 start*

2) Install certbot, which is a free CA, which helps us generate SSL certificate.

sudo apt-get install certbot

sudo certbot certonly --webroot -w /var/www/html -d yourdomain.com

3) It will write the certificate file as /etc/letsencrypt/live/example.com/fullchain.pem and the private key as /etc/letsencrypt/live/example.com/privkey.pem, and these are going to be valid for a period of 90 days.

4) These are actually Symlinks. Copy the corresponding files to your project directory, and include them in you code

if \_\_name\_\_ == '\_\_main\_\_':

context = ('/path/to/fullchain.pem','/path/to/privkey.pem')

app.run(debug=True, ssl\_context=context)

5) Stop Apache2

*sudo /etc/init.d/apache2 stop*