

AWS DEPLOYMENT

Compiled by Pranav C.

Amazon Web Services (AWS)

Amazon Web Services is a subsidiary of Amazon providing on-demand cloud computing platforms and APIs to individuals, companies, and governments, on a metered pay-as-you-go basis.

Create AWS Account

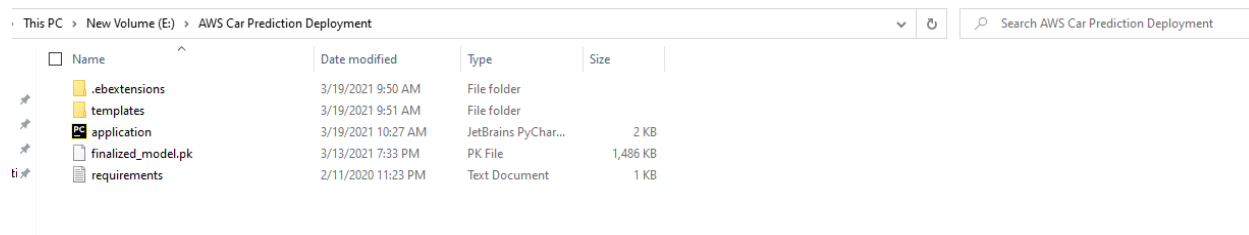
Open the link: <https://aws.amazon.com/free/> and click on create a free account. Fill the all the necessary details and you will require Debit/Credit card for account verification. It may take up to 2 days to get your account activated. (Use your own Debit/Credit card).

Create requirement.txt for Project

Got to the Project environment Anaconda prompt and Execute `pip freeze > requirements.txt`

Let's make project file ready for deployment

Create folder “.ebextensions”



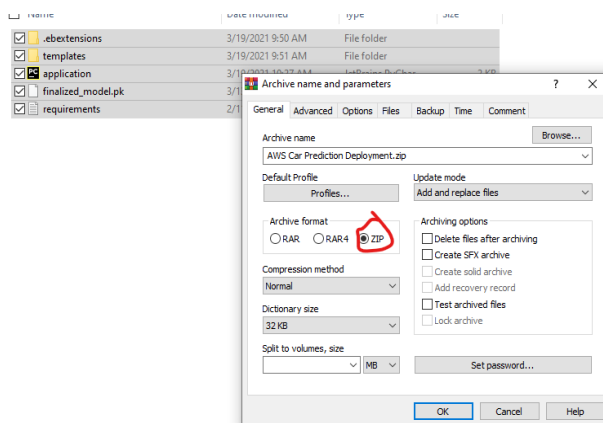
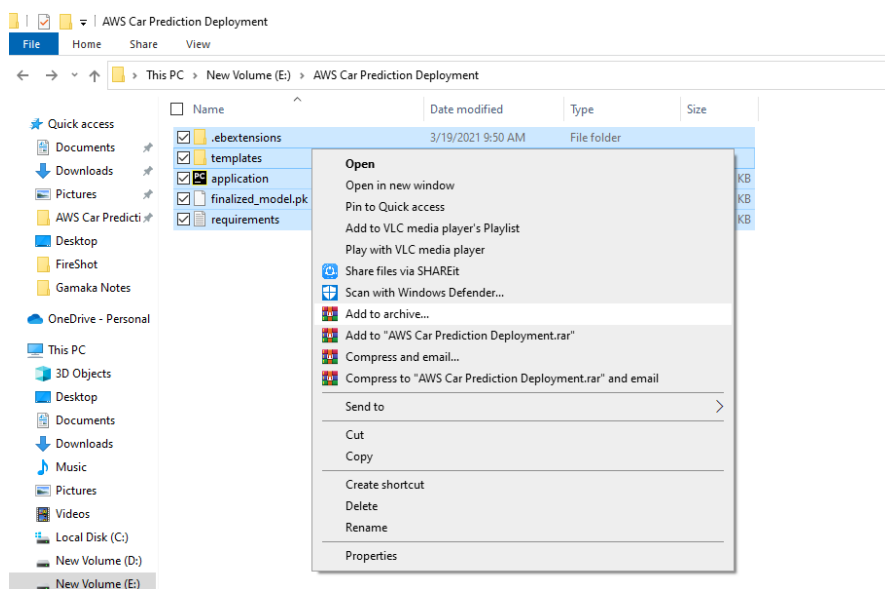
Make a new file python.config in .ebextensions folder.(you can also use notepad for creating config file)

```
E:\AWS Car Prediction Deployment\.ebextensions\python.config - Sublime Text (UNREGISTERED)
File Edit Selection Find View Goto Tools Project Preferences Help

python.config x nb_deploy.py x application.py — E:\AWS Car Prediction Deployment

1 option_settings:
2   "aws:elasticbeanstalk:container:python":
3     WSGIPath: application:application
```

Now Create zip file of the project



For Deployment process we are going to use for Elastic Beanstalk

AWS Elastic Beanstalk

End-to-end web application management.

AWS Elastic Beanstalk is an easy-to-use service for deploying and scaling web applications and services developed with Java, .NET, PHP, Node.js, Python, Ruby, Go, and Docker on familiar servers such as Apache, Nginx, Passenger, and IIS.

Deployment steps

1. Go to the AWS Console and Search for Elastic Beanstalk.
2. Click on Create application. Give suitable name for your application .
3. Select Platform as python 3.7 as shown below

Platform

Platform

Python ▼

Platform branch

Python 3.7 running on 64bit Amazon Linux 2 ▼

Platform version

3.2.0 (Recommended) ▼

4. Select Upload your code.

Application code

☐ Sample application

Get started right away with sample code.

☒ Upload your code

Upload a source bundle from your computer or copy one from Amazon S3.

Source code origin

Version label

Unique name for this version of your application code.

e.g., v0.0.1-20210319

Source code origin

Maximum size 512 MB

☒ Local file
 ☐ Public S3 URL

Choose file

No file uploaded

6. Wait for some time as it will set environment.

7. Then go to all environments and click on URL.

Elastic Beanstalk > Environments

All environments

Actions

Create a new environment

Filter results matching the display values

< 1 >

Environment name	Health	Application name	Date created	Last modified	URL	Running versions
Carpriceprediction-env-1	Ok	CarPricePrediction	2021-03-19 10:23:08 UTC+0530	2021-03-19 10:37:07 UTC+0530	Carpriceprediction-env-1.eba-h5jb6rap.ap-south-1.elasticbeanstalk.com	carpricepredic source-edited

8. Test your project.

carpriceprediction-env-1.eba-h5jb6rap.ap-south-1.elasticbeanstalk.com

Car Price Prediction

Present Price in Lakh:

Kms Driven:

Past Owners:

Age:

Transmission:

Seller Type:

Fuel Type:

Predict