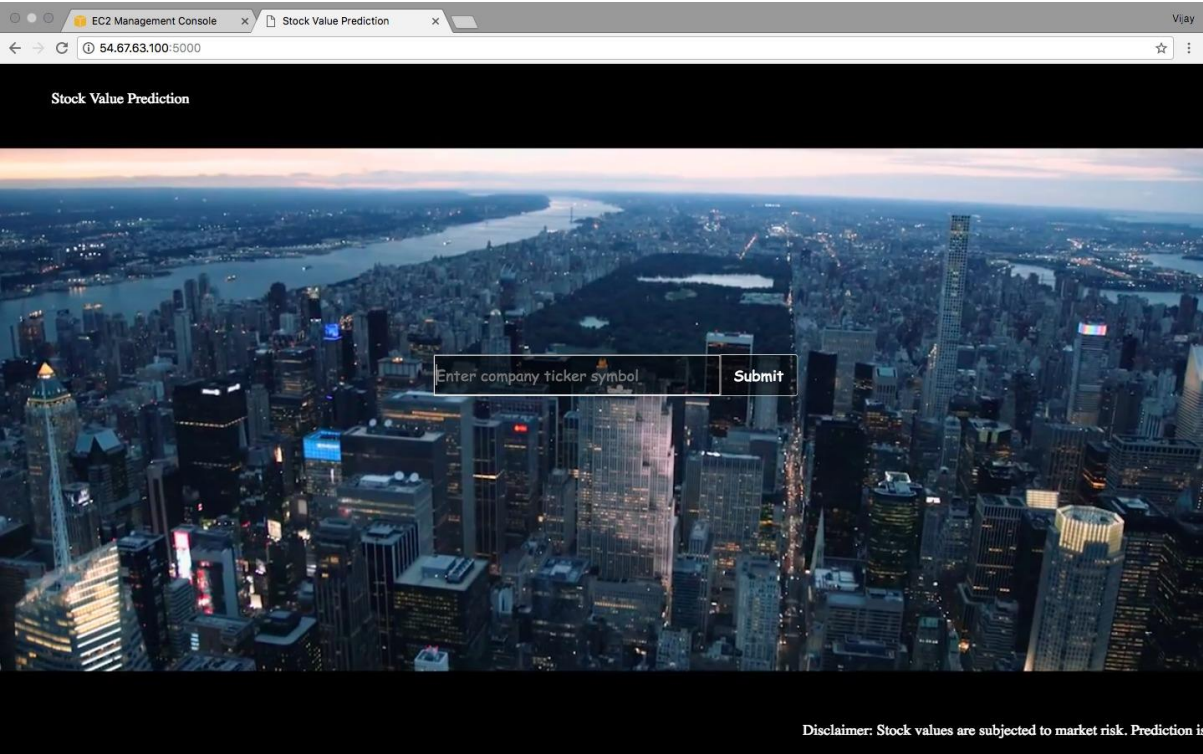


PORTAL INTERFACE :



While predicting the value of stock :

Bitcoin hits all-time high above \$11,700 as recovery accelerates	Tech stocks drop steeply, offsetting bank and healthcare shares' rise	Wall Street is giddy over Amazon shares, gets its most bullish call yet: \$1,500 price target	Amazon and the Race to Be the First \$1 Trillion Company	Apple Has Twice As Much Cash As The US Government
CVS and Aetna say their huge merger will be great for consumers. Here's why you should be skeptical	Amid tax-bill euphoria, one big part of the stock market is getting left behind: Tech	Broadcom Puts Qualcomm on the Clock	Dow hits record as investors bet on tax cuts	Meet The PayPal Mafia, The Richest Group Of Men In Silicon Valley

```
Terminal Shell Edit View Window Help
Downloads — ec2-user@ip-10-0-0-177:~/.272_project_final/StockValuePrediction/Command Prompt Run — ssh -i ec2php.pem ec2-user@ec2-54-67-63-100.us-west-1.compute.amazonaws.com — 238x55

Iter log prob ||d|| ||grad|| alpha alpha0 # evals Notes
1644 8573.88 3.72318e-06 218.05 1.449e-08 0.001 1901 LS failed, Hessian reset
1699 8574.82 0.000480619 492.829 1 1 1963
Iter log prob ||d|| ||grad|| alpha alpha0 # evals Notes
1799 8574.94 0.000314377 820.22 0.2512 1 2978
Iter log prob ||d|| ||grad|| alpha alpha0 # evals Notes
1899 8575.59 0.000777937 381.62 1 1 2192
Iter log prob ||d|| ||grad|| alpha alpha0 # evals Notes
1943 8576.48 1.27648e-05 206.278 9.497e-08 0.001 2282 LS failed, Hessian reset
1999 8576.93 9.17091e-05 280.331 1 1 2341
Iter log prob ||d|| ||grad|| alpha alpha0 # evals Notes
2099 8577.41 0.000437769 451.807 0.7296 0.7296 2453
Iter log prob ||d|| ||grad|| alpha alpha0 # evals Notes
2199 8577.86 2.42306e-05 191.201 1 1 2579
Iter log prob ||d|| ||grad|| alpha alpha0 # evals Notes
2299 8578.13 0.00015882 440.879 1 1 2692
Iter log prob ||d|| ||grad|| alpha alpha0 # evals Notes
2323 8578.24 3.04601e-06 170.381 1.821e-08 0.001 2764 LS failed, Hessian reset
2379 8578.31 1.1930e-06 61.013 9.801e-09 0.001 2870 LS failed, Hessian reset
2399 8578.31 5.39207e-05 105.681 0.4051 0.4051 2902
Iter log prob ||d|| ||grad|| alpha alpha0 # evals Notes
2499 8578.91 0.00019718 634.023 1 1 3013
Iter log prob ||d|| ||grad|| alpha alpha0 # evals Notes
2599 8580.17 0.00020823 339.738 1 1 3130
Iter log prob ||d|| ||grad|| alpha alpha0 # evals Notes
2699 8580.49 0.00018784 270.947 1 1 3241
Iter log prob ||d|| ||grad|| alpha alpha0 # evals Notes
2793 8580.97 1.38154e-06 07.6164 1.335e-08 0.001 3392 LS failed, Hessian reset
2799 8580.98 0.000269346 485.132 1 1 3396
Iter log prob ||d|| ||grad|| alpha alpha0 # evals Notes
2899 8581.12 1.60699e-05 61.0728 1 1 3523
Iter log prob ||d|| ||grad|| alpha alpha0 # evals Notes
2999 8581.31 4.74569e-05 96.7408 1 1 3640
Iter log prob ||d|| ||grad|| alpha alpha0 # evals Notes
3099 8581.59 0.00024002 510.179 1.236 0.1236 3782
Iter log prob ||d|| ||grad|| alpha alpha0 # evals Notes
3199 8582.19 0.000304555 267.629 1 1 3869
Iter log prob ||d|| ||grad|| alpha alpha0 # evals Notes
3299 8582.37 6.54606e-05 268.285 1 1 3990
Iter log prob ||d|| ||grad|| alpha alpha0 # evals Notes
3399 8582.45 1.34038e-05 412.246 0.253 1 4123
Iter log prob ||d|| ||grad|| alpha alpha0 # evals Notes
3499 8582.62 0.000166629 100.031 1 1 4232
Iter log prob ||d|| ||grad|| alpha alpha0 # evals Notes
3536 8582.64 2.11362e-06 112.879 9.201e-09 0.001 4320 LS failed, Hessian reset
3593 8582.65 1.45001e-06 87.8227 1.504e-08 0.001 4399 LS failed, Hessian reset
3571 8582.66 5.19311e-06 110.573 9.259e-08 0.001 4470 LS failed, Hessian reset
3599 8582.67 6.63635e-05 106.403 1 1 4505
Iter log prob ||d|| ||grad|| alpha alpha0 # evals Notes
3648 8582.72 1.78776e-06 102.829 1.532e-08 0.001 4608 LS failed, Hessian reset
3660 8582.72 2.56812e-06 103.9 5.114e-08 0.001 4664 LS failed, Hessian reset
3697 8582.72 4.01123e-07 31.0606 0.2103 0.2103 4677
Optimization terminated normally:
Convergence detected: relative gradient magnitude is below tolerance
```

After analyzing :

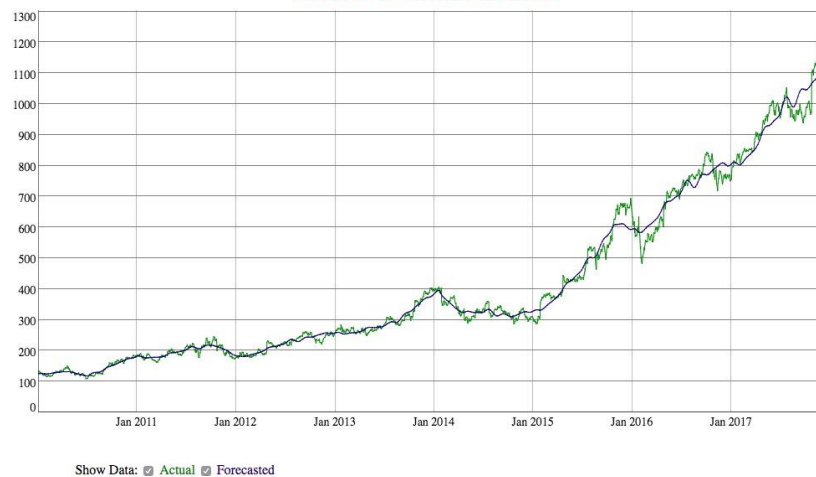


AMZN      Last Closing Stock Value      Predicted Stock Value

1193.6                      1096.84

**SELL - if stock is owned**

**SHORT - if stock is not owned**



## Stock Value Prediction

Amazon.com, Inc., doing business as Amazon (`/ˈamazon/`), is an American electronic commerce and cloud computing company based in Seattle, Washington that was founded by Jeff Bezos on July 5, 1994. The tech giant is the largest Internet retailer in the world measured by revenue and market capitalization, and second largest after Alibaba Group in terms of total sales. The amazon.com website started as an online bookstore and later diversified to sell video downloads/streaming, MP3 downloads/streaming, audiobook downloads/streaming, software, video games, electronics, apparel, furniture, food, toys, and jewelry. The company also produces consumer electronics—Kindle e-readers, Fire tablets, Fire TV, and Echo—and is the world's largest provider of cloud infrastructure services (IaaS and PaaS). Amazon also sells certain low-end products like USB cables under its in-house brand AmazonBasics.

Amazon has separate retail websites for the United States, the United Kingdom and Ireland, France, Canada, Germany, Italy, Spain, Netherlands, Australia, Brazil, Japan, China, India, and Mexico. In 2016, Dutch, Polish, and Turkish language versions of the German Amazon website were also launched. Amazon also offers international shipping to certain other countries for some of its products.

In 2015, Amazon surpassed Walmart as the most valuable retailer in the United States by market capitalization. Amazon is the fourth most valuable public company in the world, the largest Internet company by revenue in the world, and the eighth largest employer in the United States. In 2017, Amazon acquired Whole Foods Market for \$13.4 billion, which vastly increased Amazon's presence as a physical retailer. The acquisition was interpreted by some as a direct attempt to challenge Walmart and their brick-and-mortar stores.