

Weekly Report

Stocks Predictor

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[https://github.com/Avik9/Stock\\_Predictor](https://github.com/Avik9/Stock_Predictor)

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Targeted Deadline: Stocks Predictor Template Repository – 09/27/2019

Progress: What did you accomplish since the last meeting?

1. Decided on an API:
- Along with Atharva, we decided which API to use to retrieve daily results for the stock prices and how often do we want the data. We ended up using Alpha Vantage’s API to retrieve daily data of a certain stock for the past few days. We discussed and realized the daily values (open, close, high, low, volume) of a stock would be enough to train the model to begin with and then we can make changes as we see fit.
2. Retrieved data:
- I was able to query the API and retrieve data of the past few days. After getting the data, I was able to print it using the pprint library and even graph it using the matplotlib library.
3. Repository Set-Up:
- Created a repository to commit the code so everyone can be updated with the latest changes made and the errors being faced. Additionally, I even created a folder in the repo to store the reports before our weekly meeting so everyone can know about the progress before the meeting.

Next Steps: What are you working on until the next meeting?

1. Reading articles:
- Before we actually start training the model, I want to read some articles about machine learning and stock prediction to learn a more about where to go next and maybe even realize some issues we might face along the way.

Blockers: What is getting in your way or keeping you from doing your job?

1. Midterm for CSE 373 on 09/26:
- I have a midterm for CSE 373 on Thursday which will take a lot of time to study for. I still expect to finish reading a few articles by the end of the week.
2. Homework for CSE 300 on 09/26:
- I have to write a User Instructions manual for CSE 300 by 09/26 which will take a fair amount of time to complete.

Project Timeline

Setting the timeline:

Table 1: Project Timeline

08/26	.....●	Semester Starts
09/18	.....●	First Meeting
09/27	.....●	Decide a project to work on
10/04	.....●	Retrieve some data to start working
10/11	.....●	Read about Machine Learning
10/18	.....●	Brainstorm about how to start
10/25	.....●	Start working on the data to train the model
12/09	.....●	Last Day of classes
12/20	.....●	Semester Ends
12/27	.....●	Paper Deadline