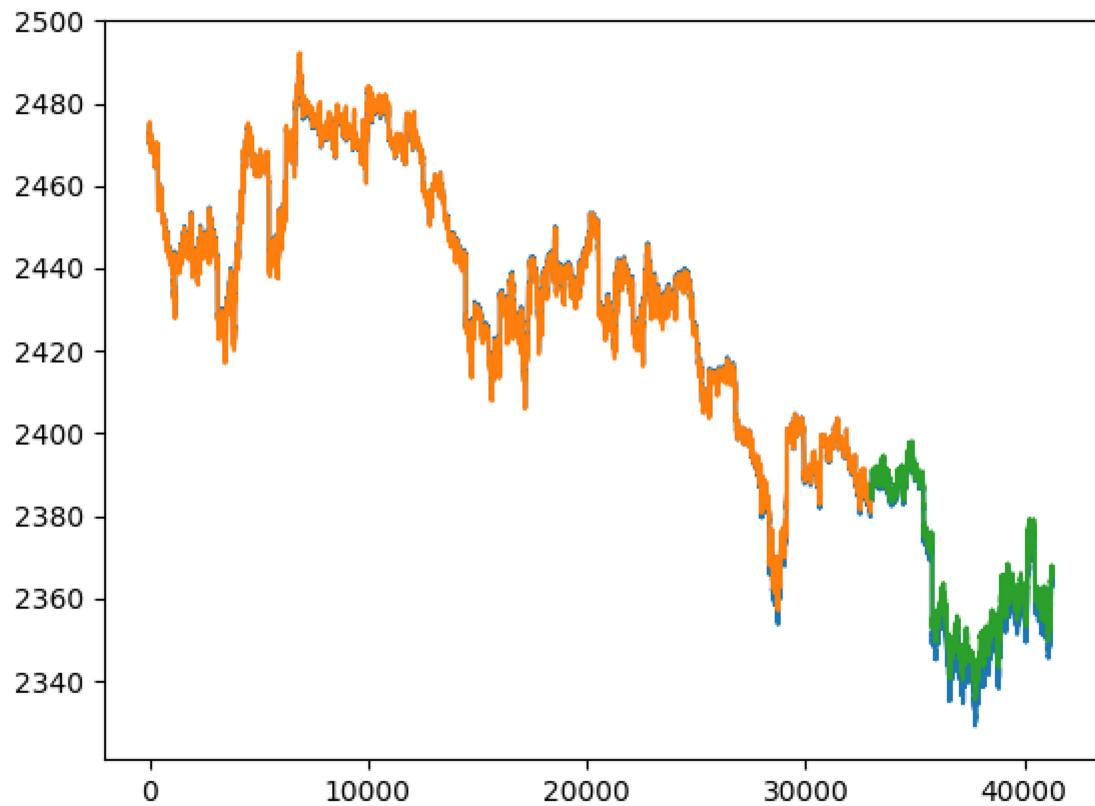


LSTM

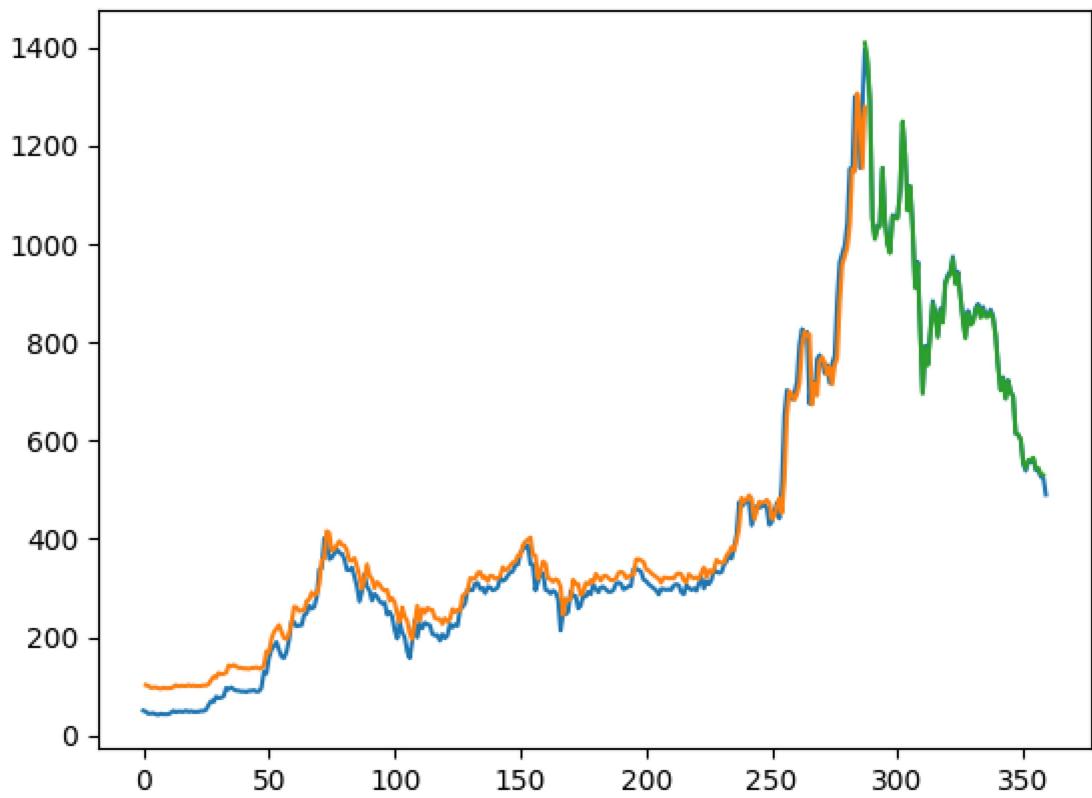
Tuesday, April 3, 2018 9:55 PM

S&P Model



```
('Prediction: ', array([2366.4507], dtype=float32))
('Actual: ', array([2363.61], dtype=float32))
('Training Accuracy: ', 99.97568640226372)
('Testing Accuracy: ', 99.88736607331604)
```

S&P Model -> Eth Data



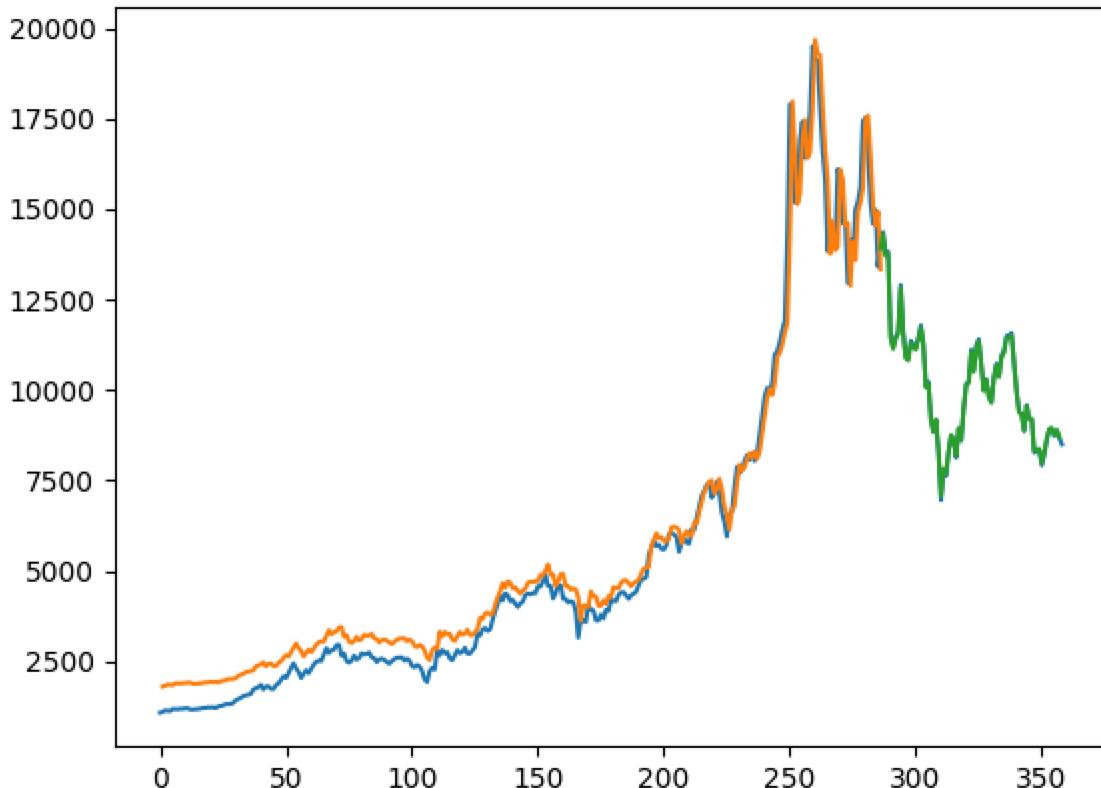
('Prediction: ', array([529.9234], dtype=float32))

('Actual: ', array([489.95004], dtype=float32))

('Training Accuracy: ', 78.84977377906982)

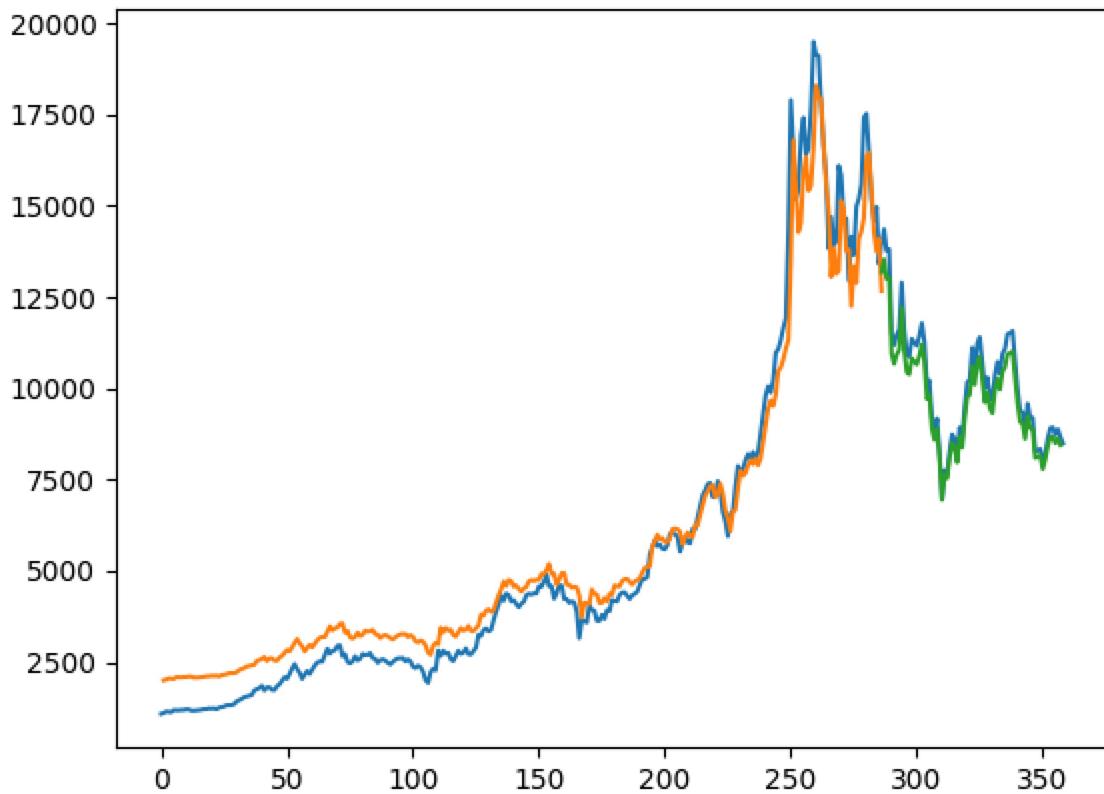
('Testing Accuracy: ', 94.9355009866445)

S&P Model -> Bitcoin Data



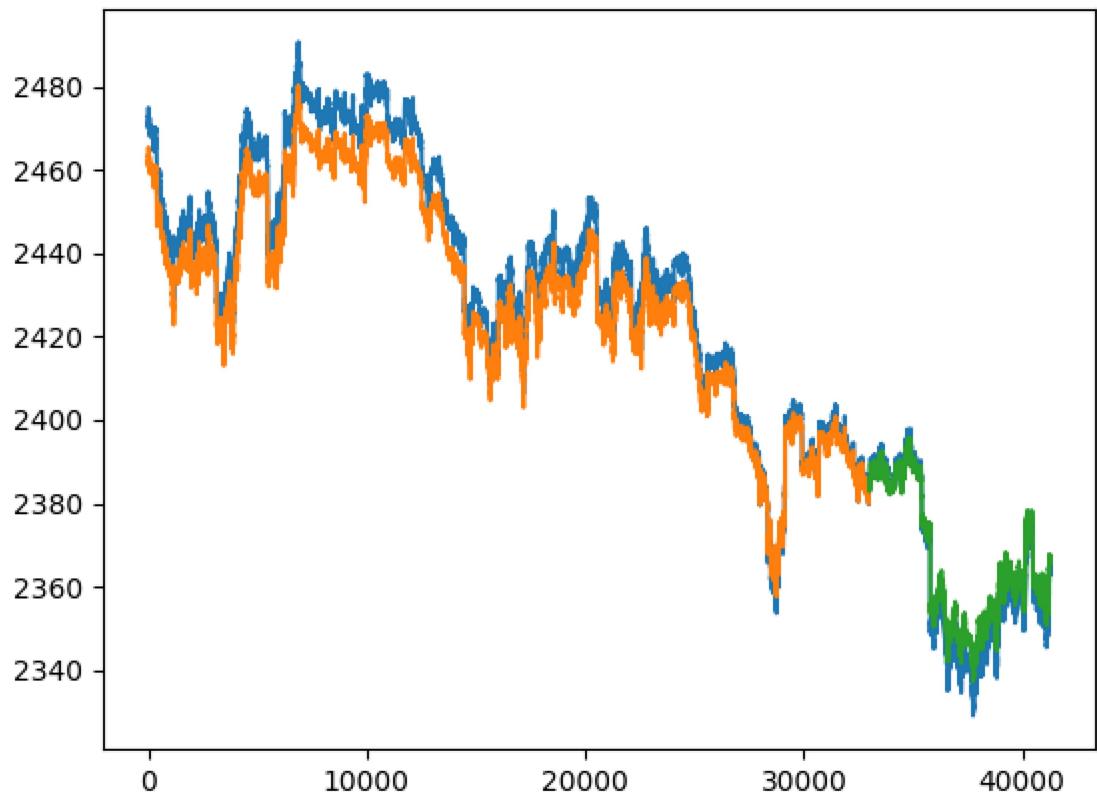
```
('Prediction: ', array([8690.031], dtype=float32))
('Actual: ', array([8495.78], dtype=float32))
('Training Accuracy: ', 82.44838786024073)
('Testing Accuracy: ', 95.26516954796939)
```

Bitcoin Model



```
('Prediction: ', array([8444.084], dtype=float32))
('Actual: ', array([8495.78], dtype=float32))
('Training Accuracy: ', 78.12852344145573)
('Testing Accuracy: ', 94.71744138475819)
```

Bitcoin Model -> S&P Data



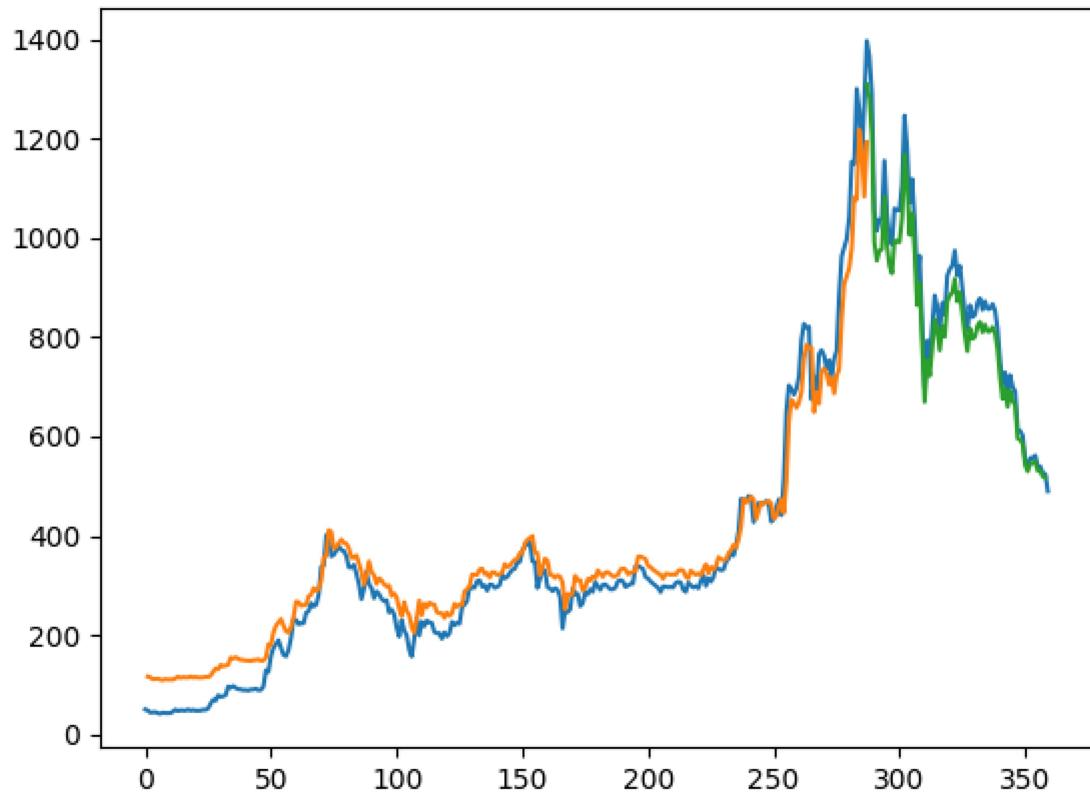
('Prediction: ', array([2366.4548], dtype=float32))

('Actual: ', array([2363.61], dtype=float32))

('Training Accuracy: ', 99.74844646423064)

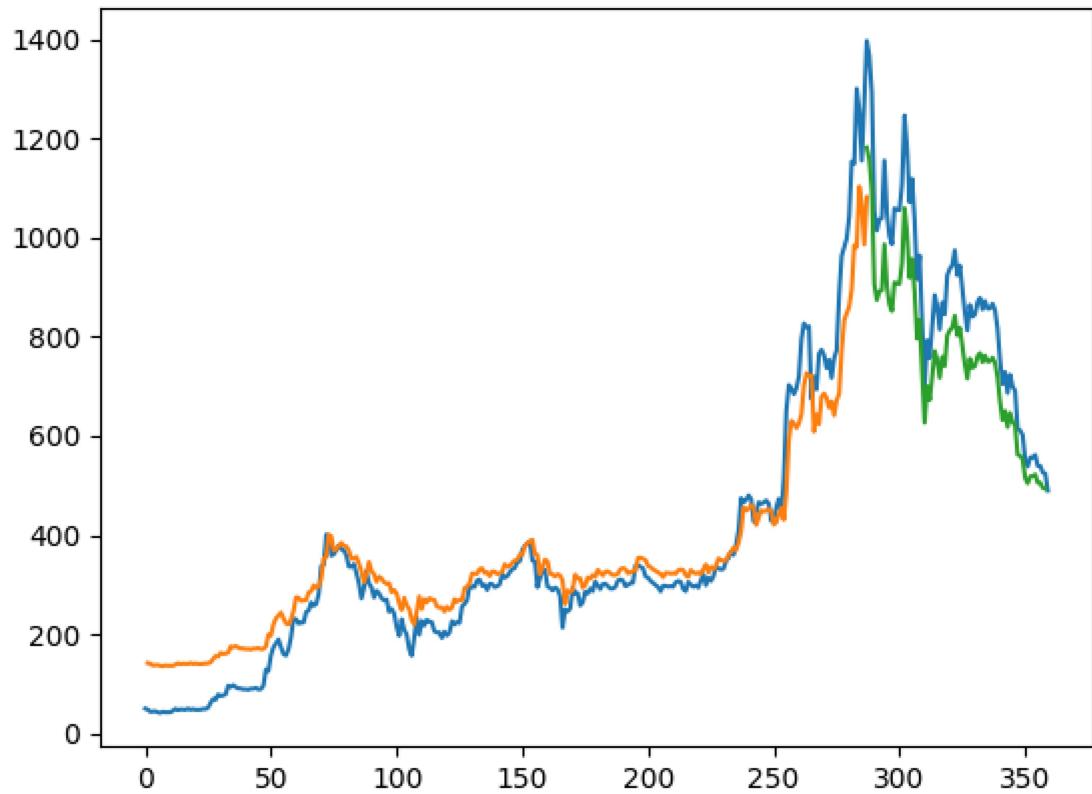
('Testing Accuracy: ', 99.8632029283608)

Bitcoin Model -> Ethereum Dataset



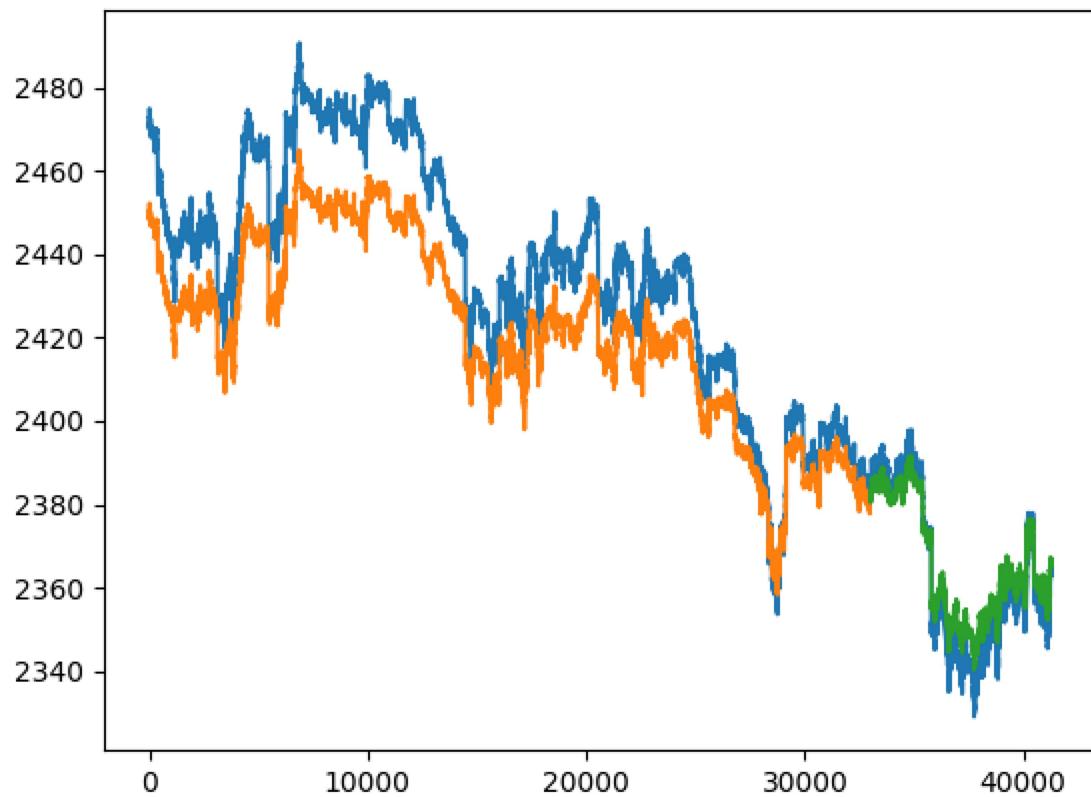
```
('Prediction: ', array([517.5121], dtype=float32))
('Actual: ', array([489.95004], dtype=float32))
('Training Accuracy: ', 73.93549144351596)
('Testing Accuracy: ', 94.46891265181168)
```

Ethereum Model



```
('Prediction: ', array([493.90067], dtype=float32))
('Actual: ', array([489.95004], dtype=float32))
('Training Accuracy: ', 65.45871782273976)
('Testing Accuracy: ', 89.28075941760957)
```

Ethereum Model -> S&P Dataset



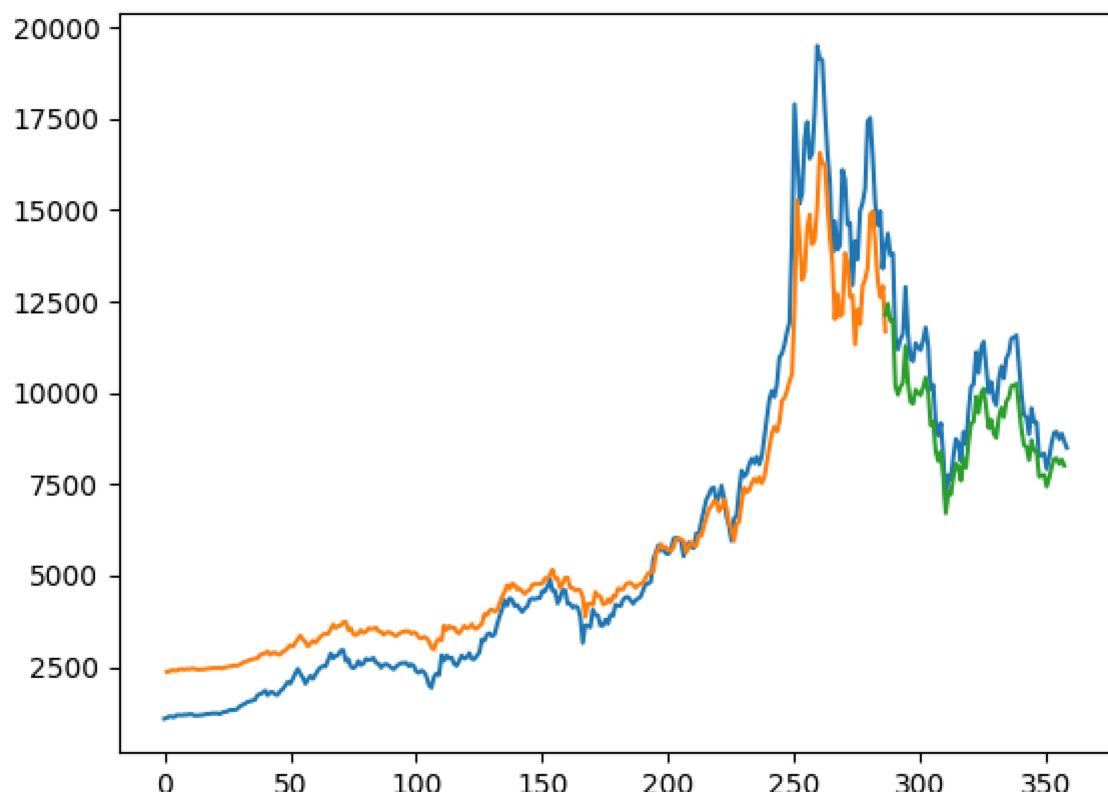
('Prediction: ', array([2366.0544], dtype=float32))

('Actual: ', array([2363.61], dtype=float32))

('Training Accuracy: ', 99.4004183579738)

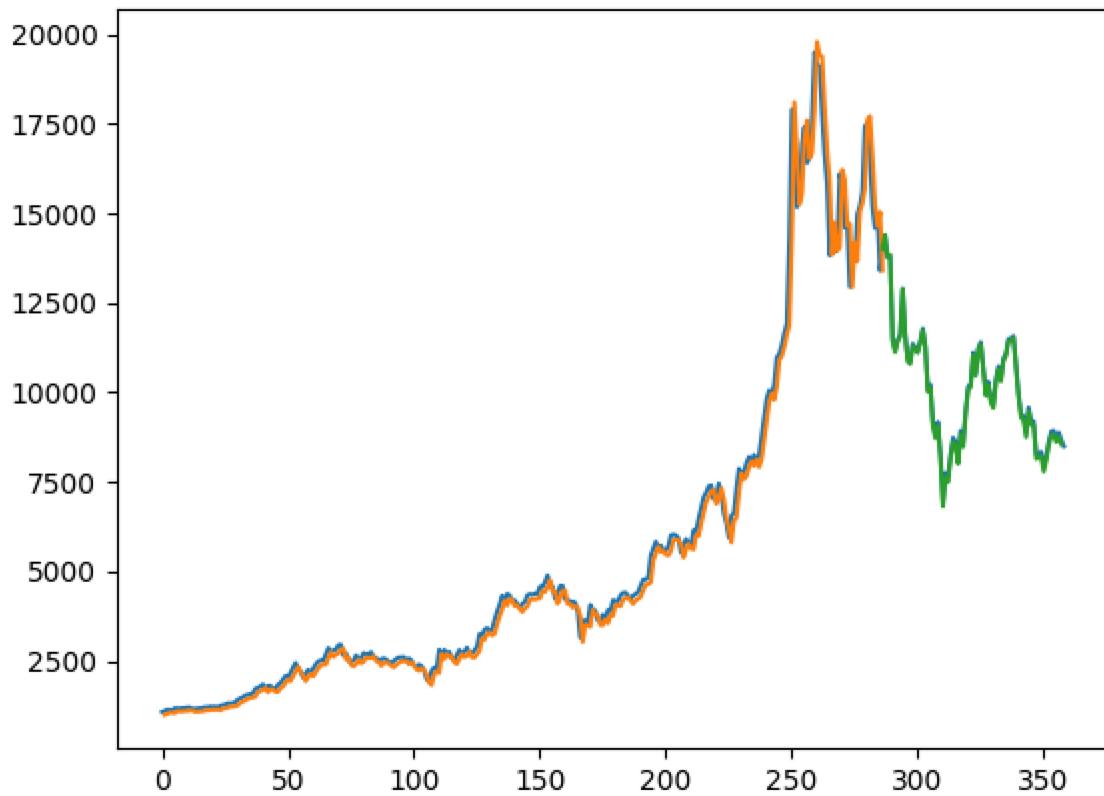
('Testing Accuracy: ', 99.8003428842307)

Ethereum Model -> Bitcoin Dataset



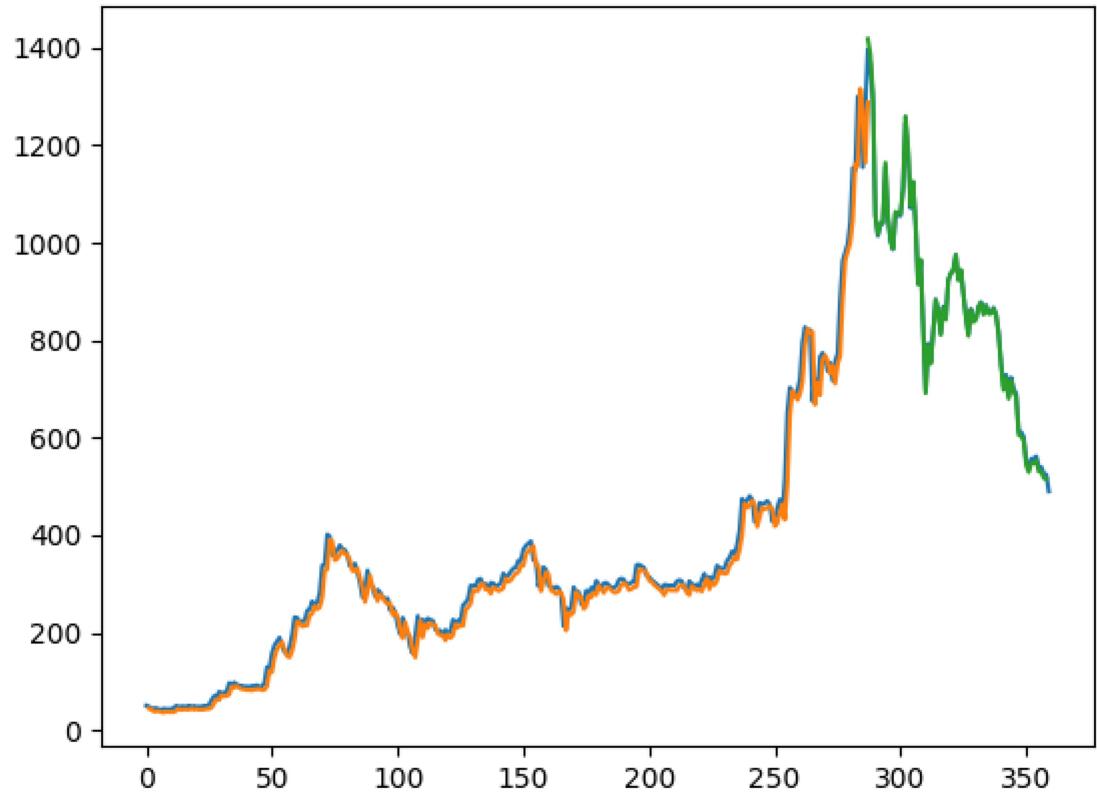
```
('Prediction: ', array([8008.1367], dtype=float32))
('Actual: ', array([8495.78], dtype=float32))
('Training Accuracy: ', 70.07860334624066)
('Testing Accuracy: ', 90.76132622754407)
```

Combined Model -> Bitcoin



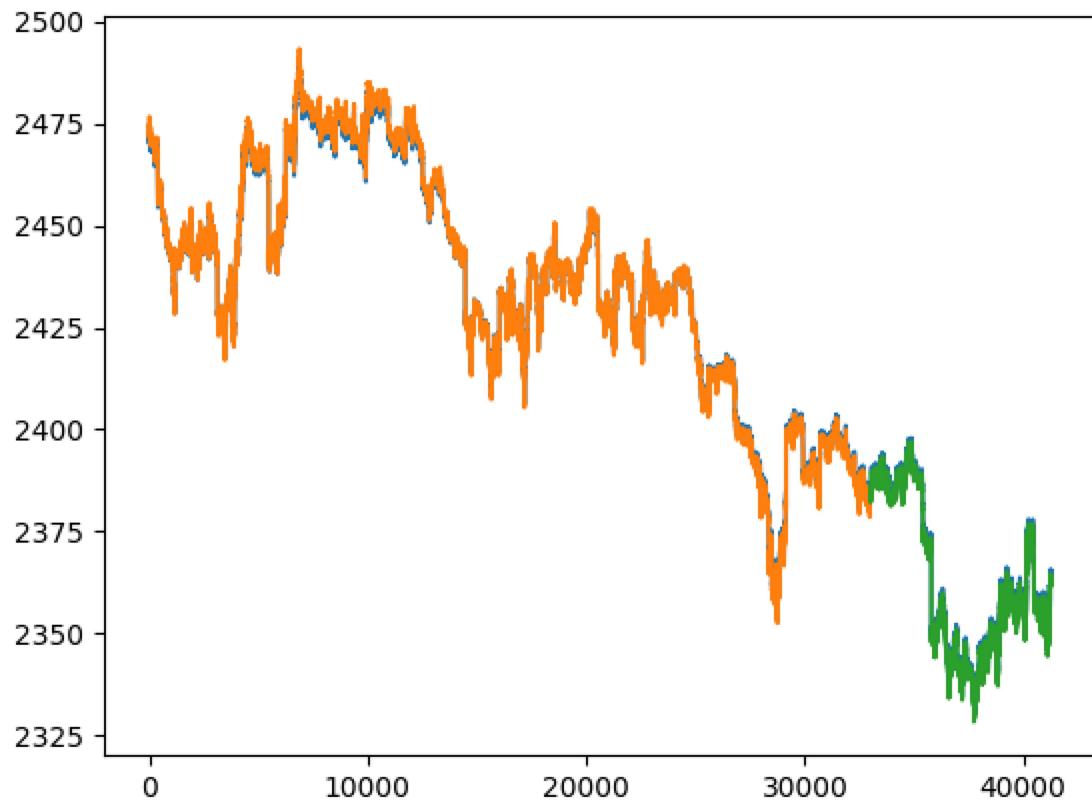
```
('Prediction: ', array([8553.172], dtype=float32))
('Actual: ', array([8495.78], dtype=float32))
('Training Accuracy: ', 94.32112462292133)
('Testing Accuracy: ', 95.15469771593214)
```

Combined Model -> Ethereum



```
('Prediction: ', array([514.9161], dtype=float32))
('Actual: ', array([489.95004], dtype=float32))
('Training Accuracy: ', 93.22016324905942)
('Testing Accuracy: ', 94.95572755283015)
```

Combined Model -> S&P500



('Prediction: ', array([2362.9097], dtype=float32))

('Actual: ', array([2363.61], dtype=float32))

('Training Accuracy: ', 99.96455514192868)

('Testing Accuracy: ', 99.95301151968692)