Stock Price Prediction :

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Enter Stock Ticker (e.g. AAPL,0005.hk,...) :

INTC

Select Start Date

2019/01/01

Select End Date

2024/12/31

Select Trading Signal Days :

5   −   +

Select Technical Indicator(s) :

☑ Trend : MACD & DMI

☑ Momentum : RSI & KDJ

☑ Volatility : BB & BIAS

Select Prediction Model(s) :

☑ XGBoost

☑ Create new GRU

☐ Load saved GRU

☑ Create new LSTM

☐ Load saved LSTM

☑ Create new LSTM - Attention Mechanism

☐ Load saved LSTM - Attention Mechanism

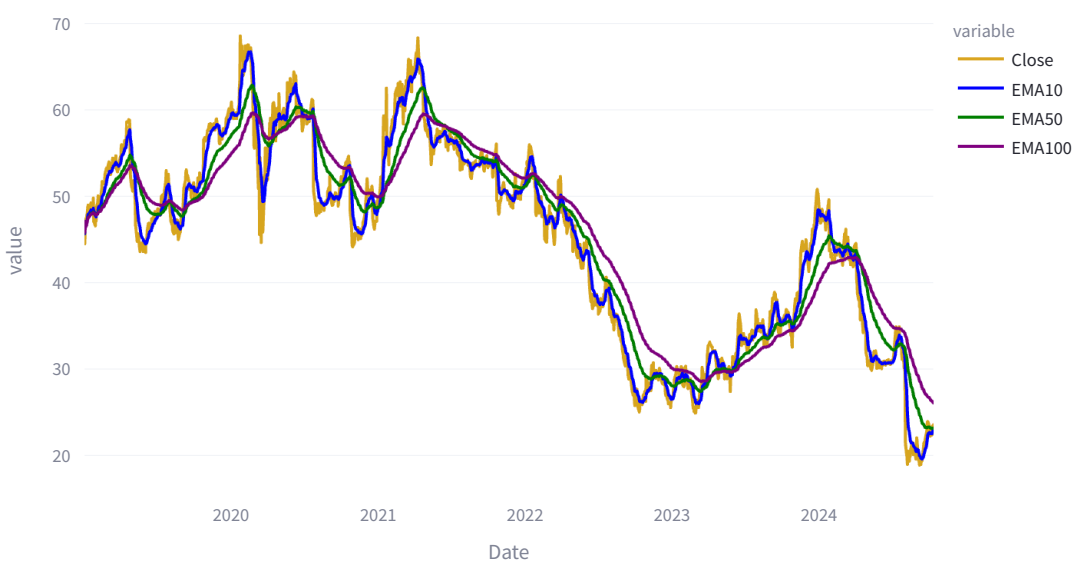☑ Create new LSTM - Features

☐ Load saved LSTM - Features

Submit

INTC

Stock Data

	Date	Open	High	Low	Close	Adj Close	Volume
0	2019-01-02	45.96	47.47	45.77	47.08	40.518	18,774,600
1	2019-01-03	46.15	46.28	44.39	44.49	38.289	32,267,300
2	2019-01-04	45.84	47.57	45.54	47.22	40.6385	35,447,300
3	2019-01-07	47.1	48	46.75	47.44	40.8279	22,736,800
4	2019-01-08	47.8	48.03	46.78	47.74	41.0861	22,749,200
5	2019-01-09	47.96	48.57	47.78	48.01	41.3184	22,554,500
6	2019-01-10	47.75	48.65	47.41	48.56	41.7918	27,202,600
7	2019-01-11	48.1	49.29	48.05	48.93	42.1102	21,751,300
8	2019-01-14	48.46	48.83	48.3	48.35	41.611	19,193,900
9	2019-01-15	48.71	49.13	48.44	48.6	41.8262	22,480,800

Close Price of Current Date 2024-10-11 is 23.56

Close Prices w/ Exponential Moving Average (Trend)

EMA10 Buy Signal :

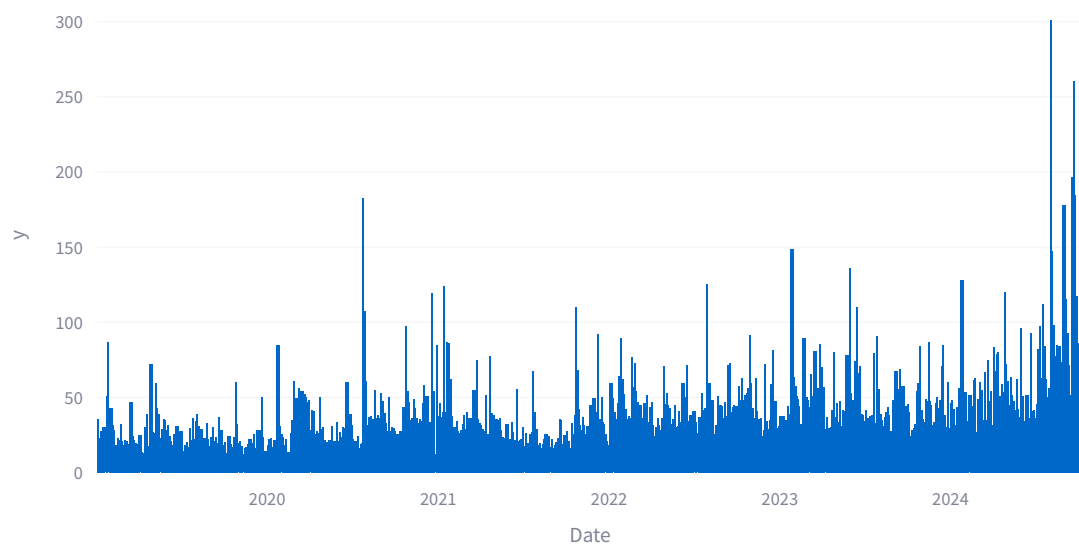EMA10 Sell Signal :

EMA50 Buy Signal :

EMA50 Sell Signal :
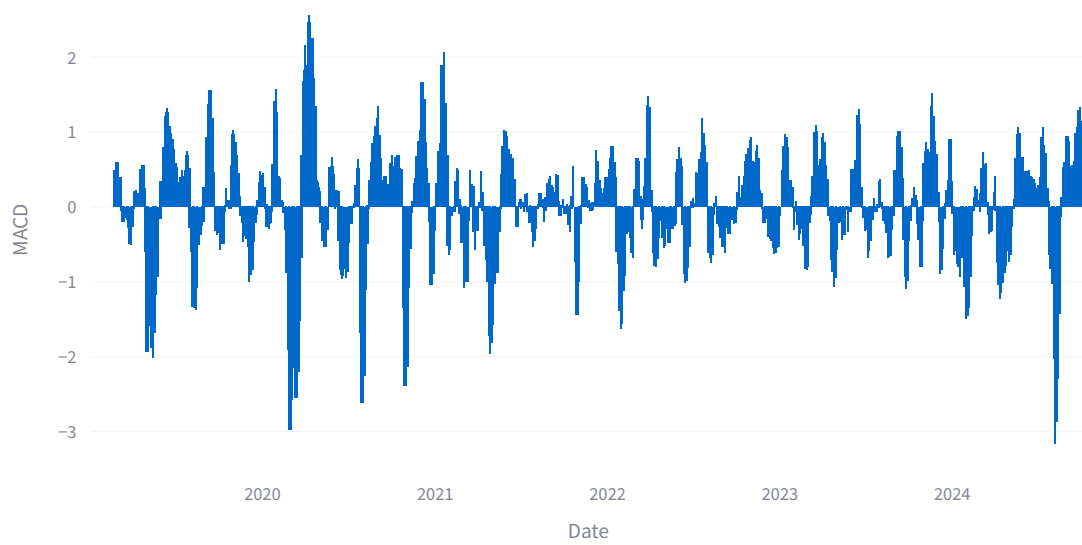
EMA100 Buy Signal :

EMA100 Sell Signal :
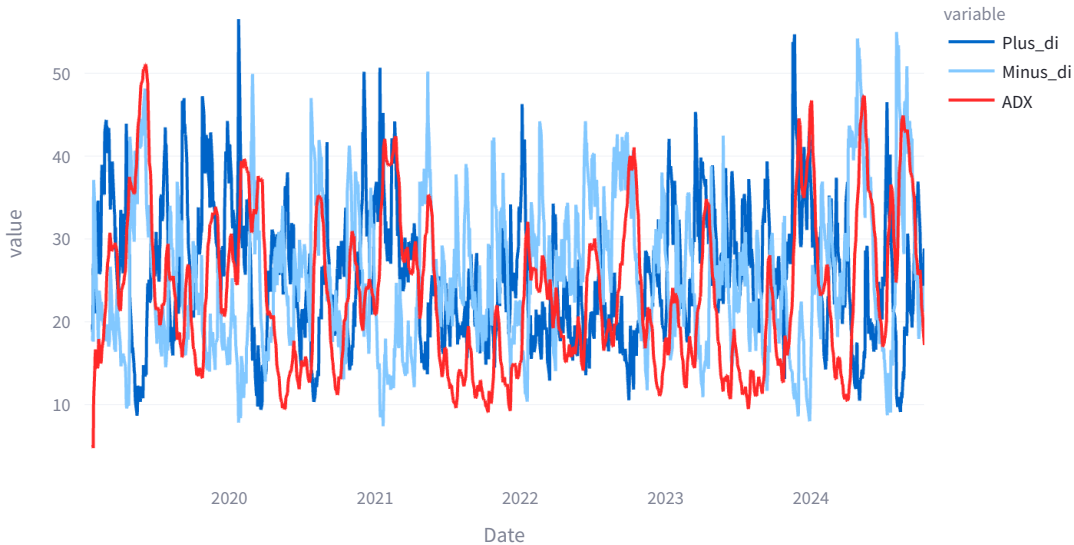
Candlestick Chart

Volume

Moving Average Convergence Divergence (Trend)

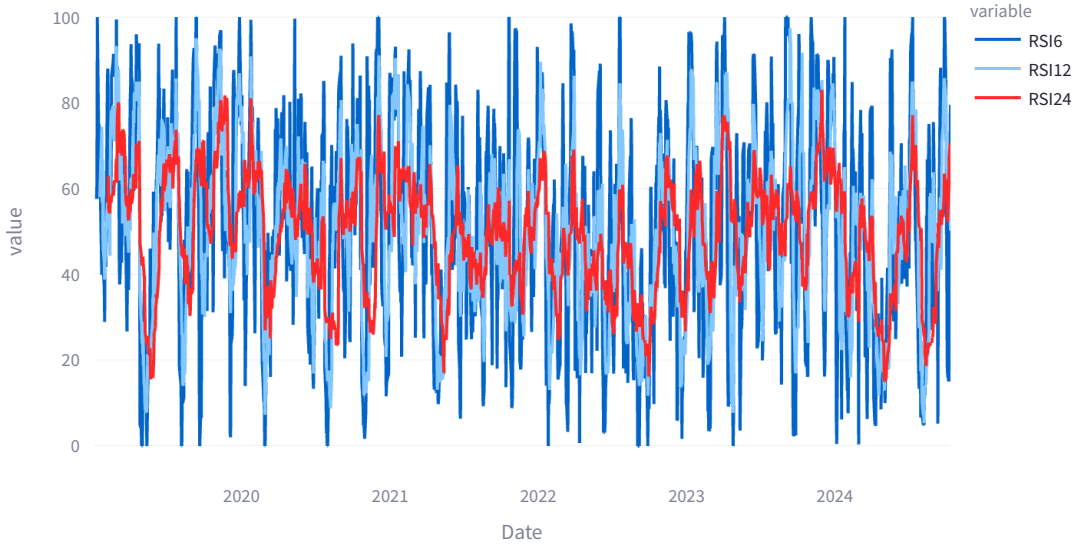MACD Buy Signal :

MACD Sell Signal :

Directional Movement Index (Trend)

DMI Buy Signal :
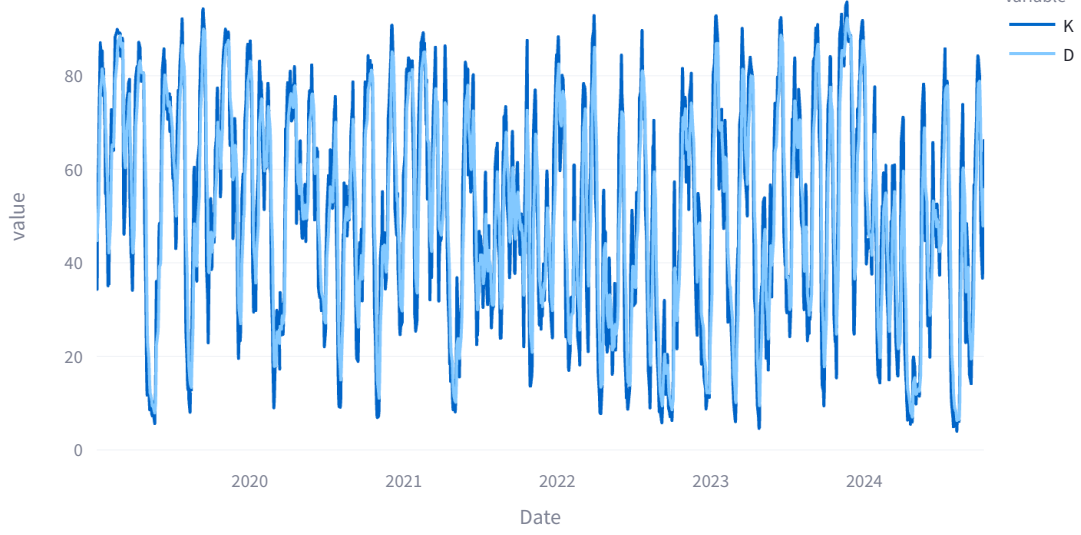
DMI Sell Signal :

Relative Strength Index (Momentum)
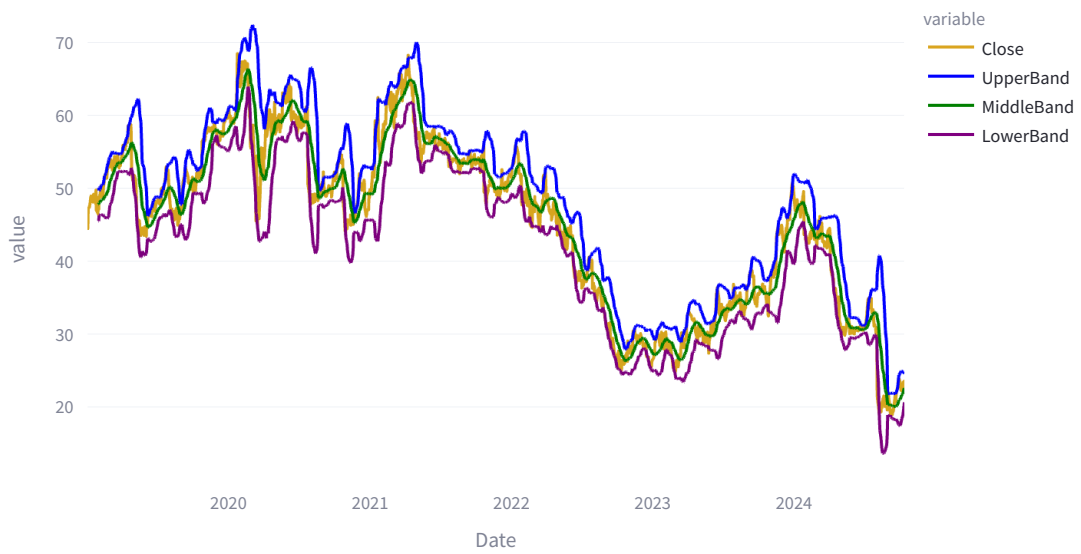

RSI Buy Signal :

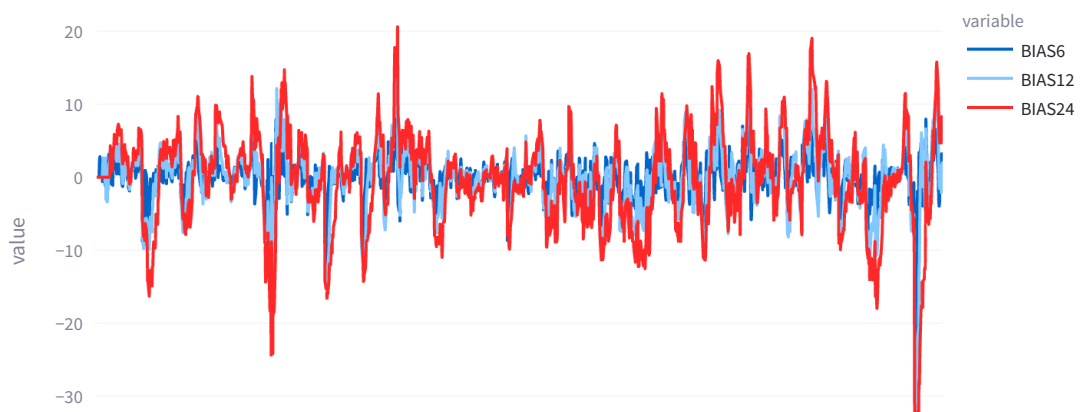RSI Sell Signal :

KDJ (Momentum)

KDJ Buy Signal :

KDJ Sell Signal :

Bollinger Bands (Volatility)

BB Buy Signal :

BB Sell Signal :

BIAS (Volatility)

BIAS Buy Signal :

BIAS Sell Signal :

Resisitance & Support Levels

Resistance Levels : 23.92 (2024-09-26),

Support Levels : 18.89 (2024-09-06),

eXtreme Gradient Boosting Model

Predicts next Close Price of 2024-10-11 is : [23.5703]

MAPE : 0.009856

Root mean squared error: 0.592527

Mean absolute error : 0.429972

Gated Recurrent Unit Model

Predicts next Close Price of 2024-10-11 is : [23.690441]

MAPE : 0.024523

Root mean squared error: 1.200673

Mean absolute error : 0.802398

Long Short Term Memory Model

Predicts next Close Price of 2024-10-11 is : [24.632956]

MAPE : 0.044741

Root mean squared error: 1.916849

Mean absolute error : 1.382509

Long Short Term Memory - Attention Mechanism Model

Predicts next Close Price of 2024-10-11 is : [23.391697]

MAPE : 0.098848

Root mean squared error: 3.352999

Mean absolute error : 2.888816

Long Short Term Memory - Features (Tech. Indicators) Model

Predicts next Close Price of 2024-10-11 is : [47.15]

MAPE : 0.463174

Root mean squared error: 15.18163

Mean absolute error : 12.256339

{ Note : Selected model(s) predict(s) next Close Price(s) would not go up, recommend to 'sell or 'not Buy'. }

Full Stock Data

	Date	Open	High	Low	Close	Adj Close	Volume	SMA10	SMA50	EMA10	EMA50
0	2019-01-02	45.96	47.47	45.77	47.08	40.518	18,774,600	None	None	47.08	47.0
1	2019-01-03	46.15	46.28	44.39	44.49	38.289	32,267,300	None	None	45.6555	45.759
2	2019-01-04	45.84	47.57	45.54	47.22	40.6385	35,447,300	None	None	46.2844	46.265
3	2019-01-07	47.1	48	46.75	47.44	40.8279	22,736,800	None	None	46.6651	46.577
4	2019-01-08	47.8	48.03	46.78	47.74	41.0861	22,749,200	None	None	46.9737	46.828
5	2019-01-09	47.96	48.57	47.78	48.01	41.3184	22,554,500	None	None	47.2429	47.045
6	2019-01-10	47.75	48.65	47.41	48.56	41.7918	27,202,600	None	None	47.5602	47.288
7	2019-01-11	48.1	49.29	48.05	48.93	42.1102	21,751,300	None	None	47.8719	47.523
8	2019-01-14	48.46	48.83	48.3	48.35	41.611	19,193,900	None	None	47.9759	47.63
9	2019-01-15	48.71	49.13	48.44	48.6	41.8262	22,480,800	47.642	None	48.107	47.746