

Stock Analysis (Trading View)

TradingView is an online platform used to **view financial charts, analyze markets, and track prices.**

It is popular with traders and investors who follow markets such as:

- Stocks
- Forex
- Cryptocurrencies
- Gold and commodities
- Indices like the S&P 500 or NASDAQ
- Futures and bonds

In this tutorial we will be looking how we can use Claude/ ChatGpt / Grock Ai to assist us to analysed stock performance.

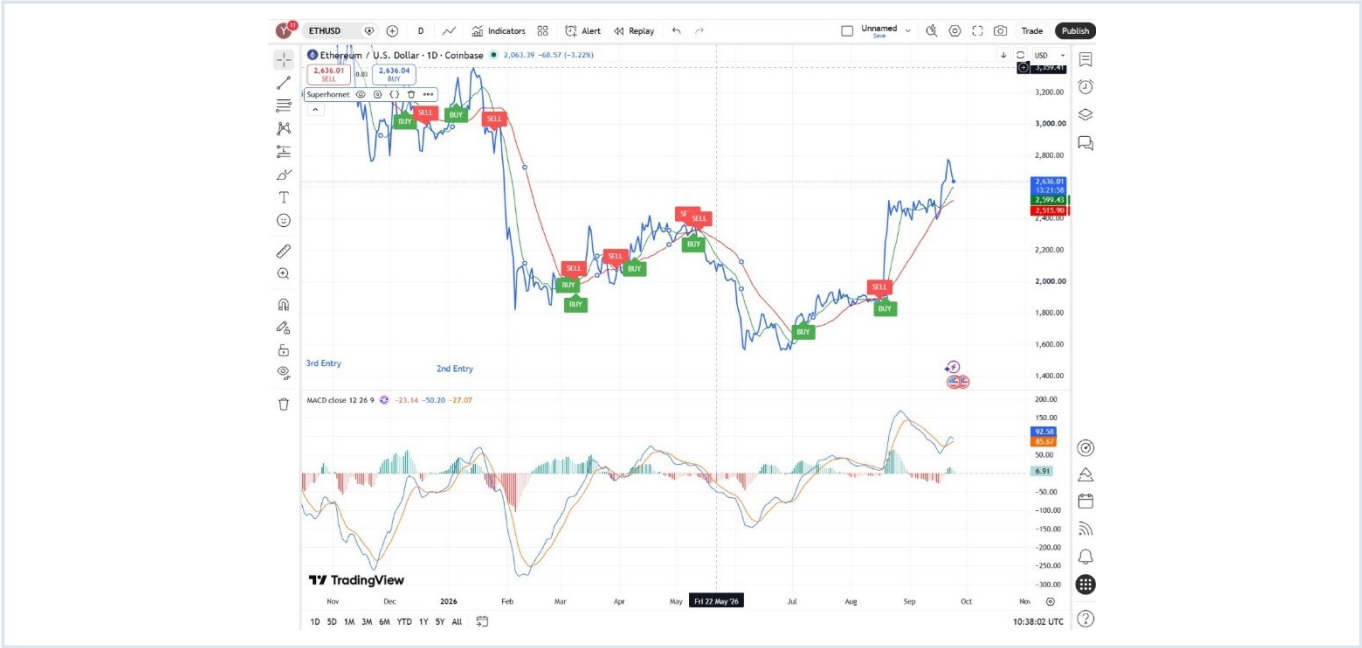
Pine Script

Pine Script is TradingView's programming language for creating custom **indicators, trading strategies, and alerts** on charts. Think of it like JavaScript, but specifically for financial charts.

Indicators

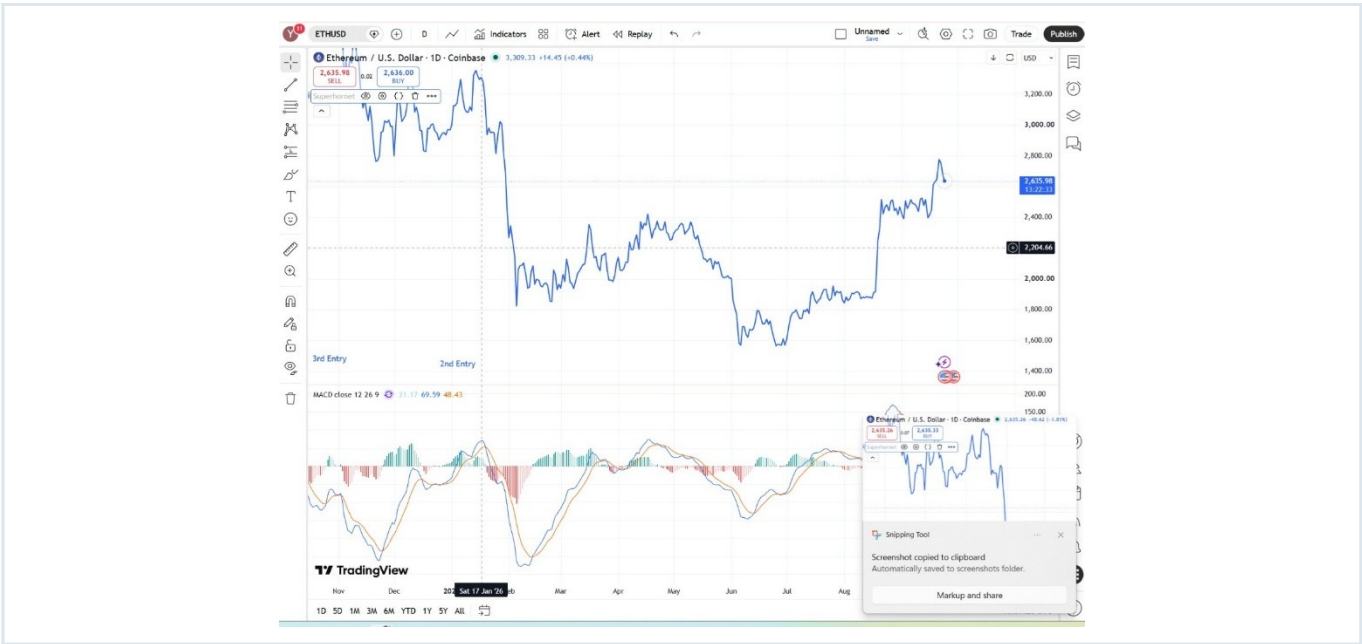
Indicator	Category	What it helps identify
Moving Average (SMA/EMA)	Trend	Overall market direction
MACD	Trend + Momentum	Trend changes and momentum
RSI	Momentum	Overbought / oversold conditions
Stochastic Oscillator	Momentum	Possible turning points
Bollinger Bands	Volatility	Price expansion, contraction, extremes
ATR	Volatility	How strongly price is moving
ADX	Trend Strength	Whether a trend is strong or weak
Volume	Volume	Strength behind a price move
OBV	Volume	Buying/selling pressure
VWAP	Price + Volume	Average traded price weighted by volume
Fibonacci Retracement	Price Levels	Potential support/resistance zones
Ichimoku Cloud	Trend	Trend, momentum, and support/resistance

The example below show the simple example of technical indicators with “Buy” and “Sell” signals.



Let’s take an example of ETH (Ethereum is a Crypto currency)

Step 1



Step 2

To start to write Pine Script



Step 3

Use ChatGPT or Claude to Plot the Graph and produce an indicator “BUY” vs “SELL”

Am using Trading view. I need you to write pinescript to plot EMA 4 Vs EMA 30. Plot the graph. If the EMA 4 is more than EMA 30 please trigger BUY, if the EMA4 is less than EMA 30 trigger SELL.

Yes. For your requirement, I recommend triggering **BUY/SELL only when EMA 4 crosses EMA 30**, rather than repeatedly showing BUY on every candle where EMA 4 is above EMA 30.

Paste this into the **Pine Editor** in TradingView:

```
<> pinescript
//@version=6
indicator("EMA 4 vs EMA 30 Buy Sell", overlay=true)

// =====
// EMA CALCULATIONS
// =====
ema4 = ta.ema(close, 4)
ema30 = ta.ema(close, 30)

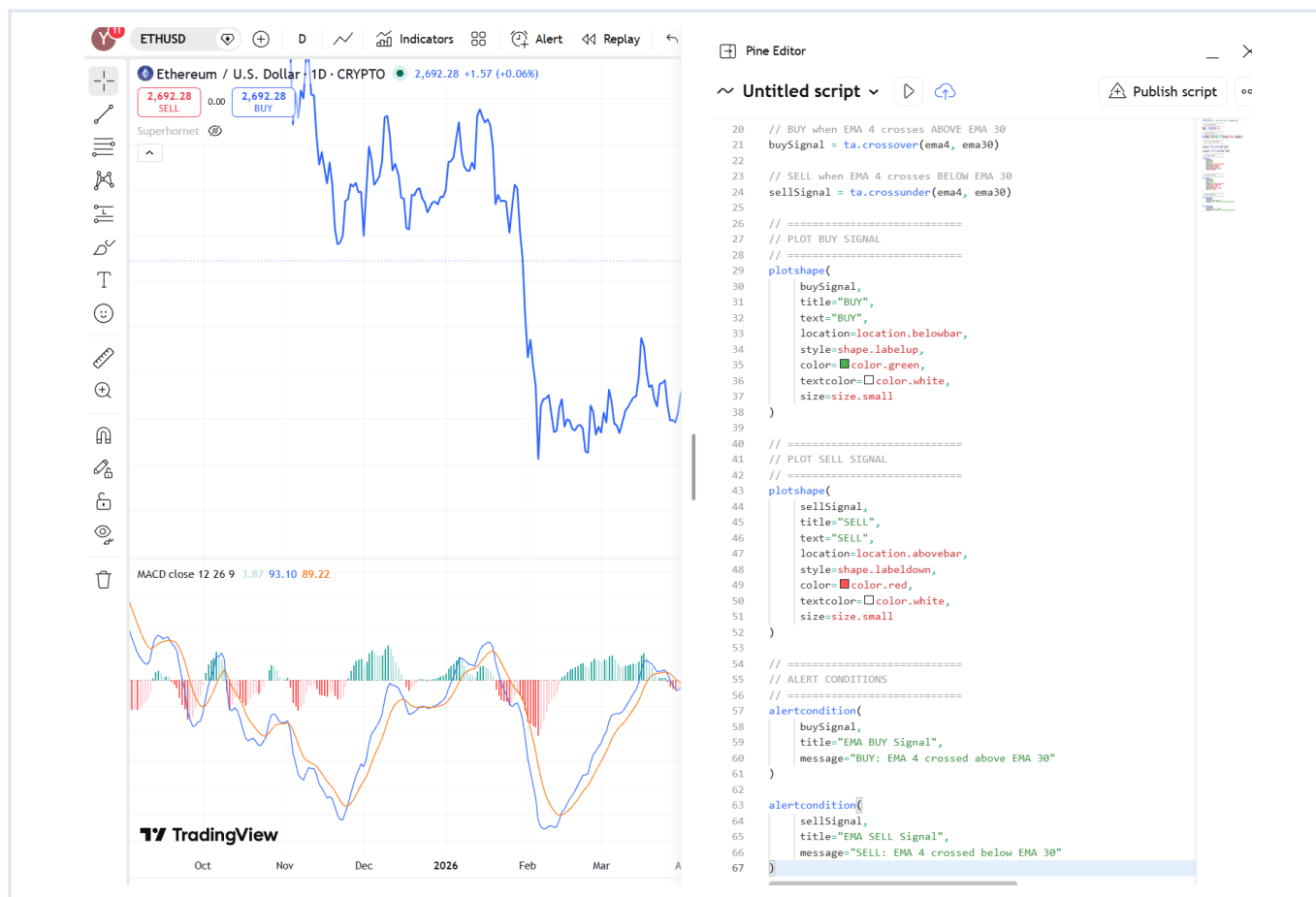
// =====
// PLOT EMA LINES
// =====
plot(ema4, title="EMA 4", color=color.green, linewidth=2)
plot(ema30, title="EMA 30", color=color.red, linewidth=2)

// =====
// BUY / SELL CONDITIONS
// =====
```

Step 4

Copy and paste the script into the box

- Rename the Script
- Add to Chart



Once you 'Add Chart', you will the display



Evaluating the Result

You can do a “Test Strategy Script” with the prompt

create a test strategy script

Here is a proper **TradingView test strategy** for EMA 4 vs EMA 30. This one can backtest both **LONG** and **SHORT** trades.

```
// pinescript
// @version=6
strategy(
    "EMA 4 vs EMA 30 Test Strategy",
    overlay=true,
    initial_capital=10000,
    default_qty_type=strategy.percent_of_equity,
    default_qty_value=100
)

// =====
// INPUTS
// =====
fastLength = input.int(4, "Fast EMA Length")
slowLength = input.int(30, "Slow EMA Length")
```

Result on the Trading View

