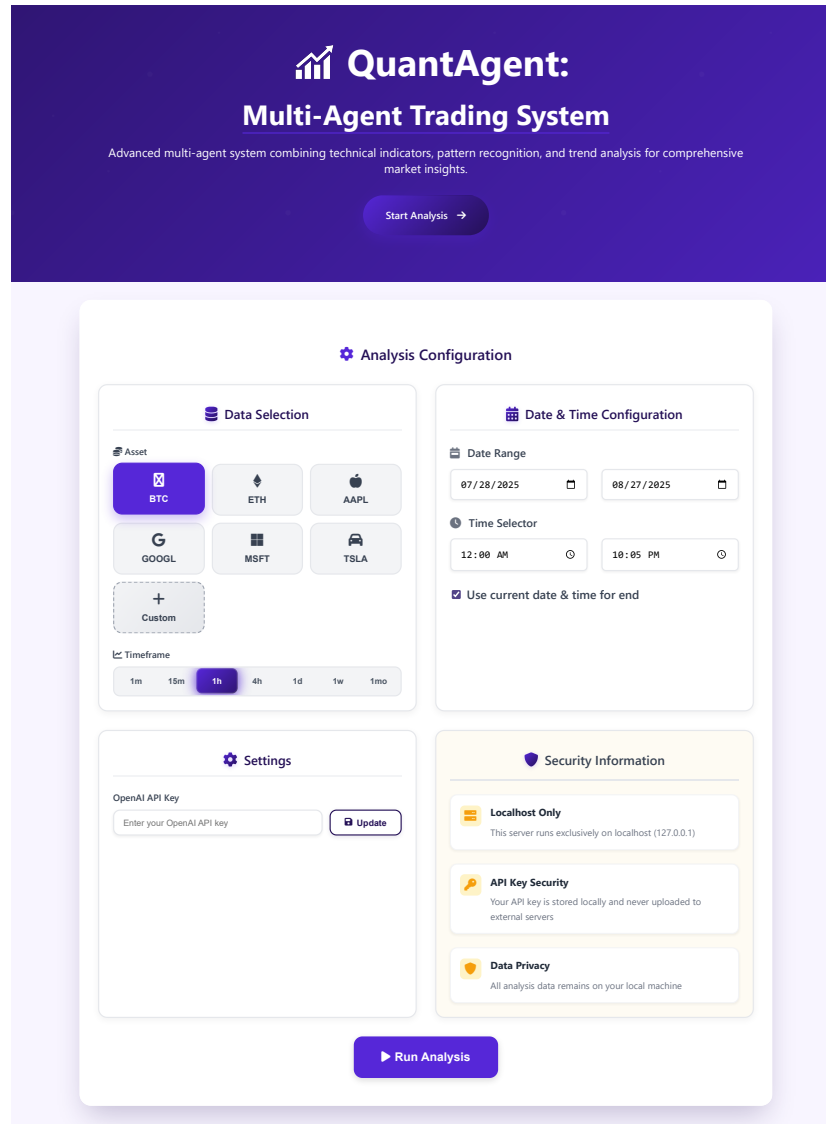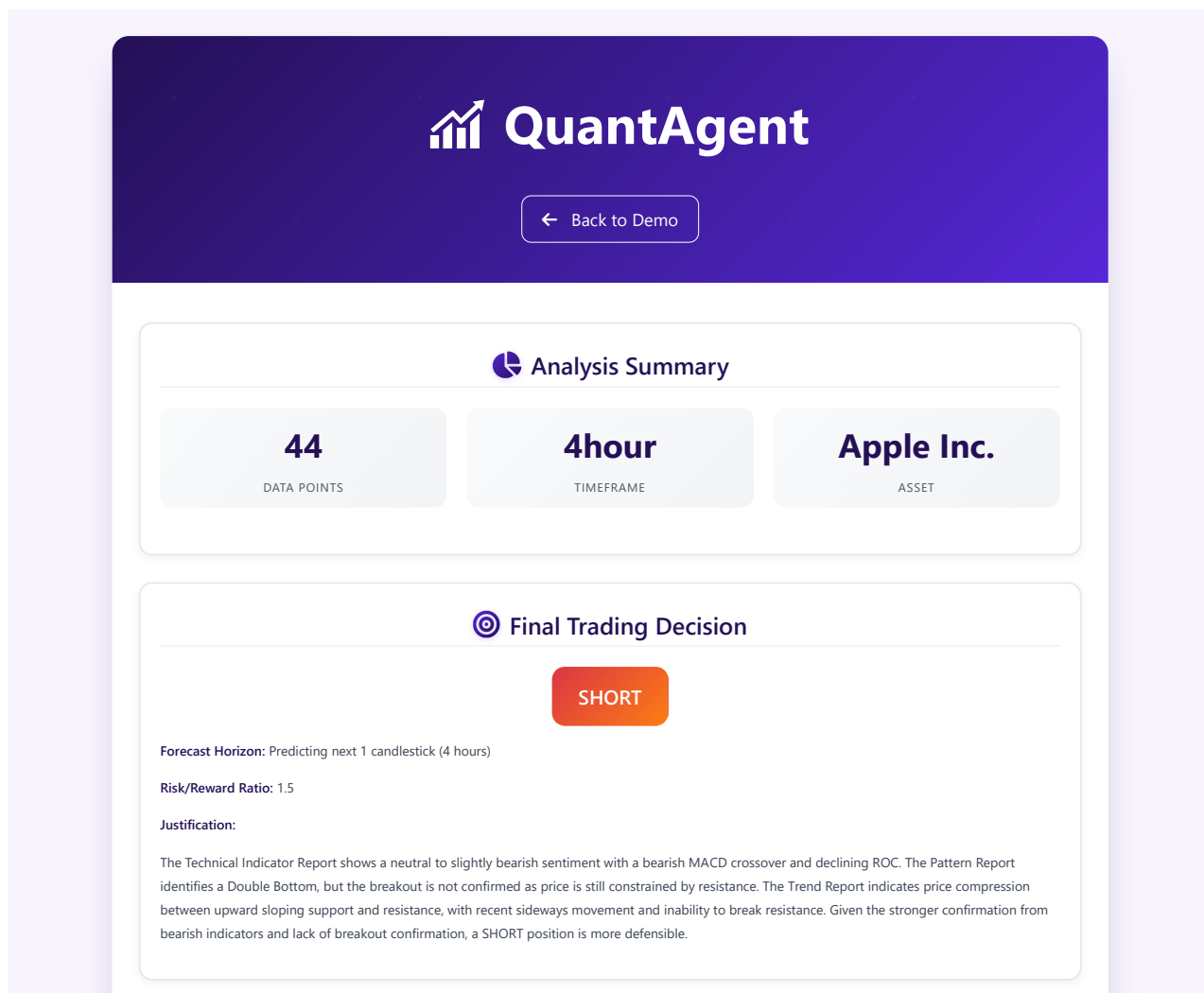# D   Web Demo
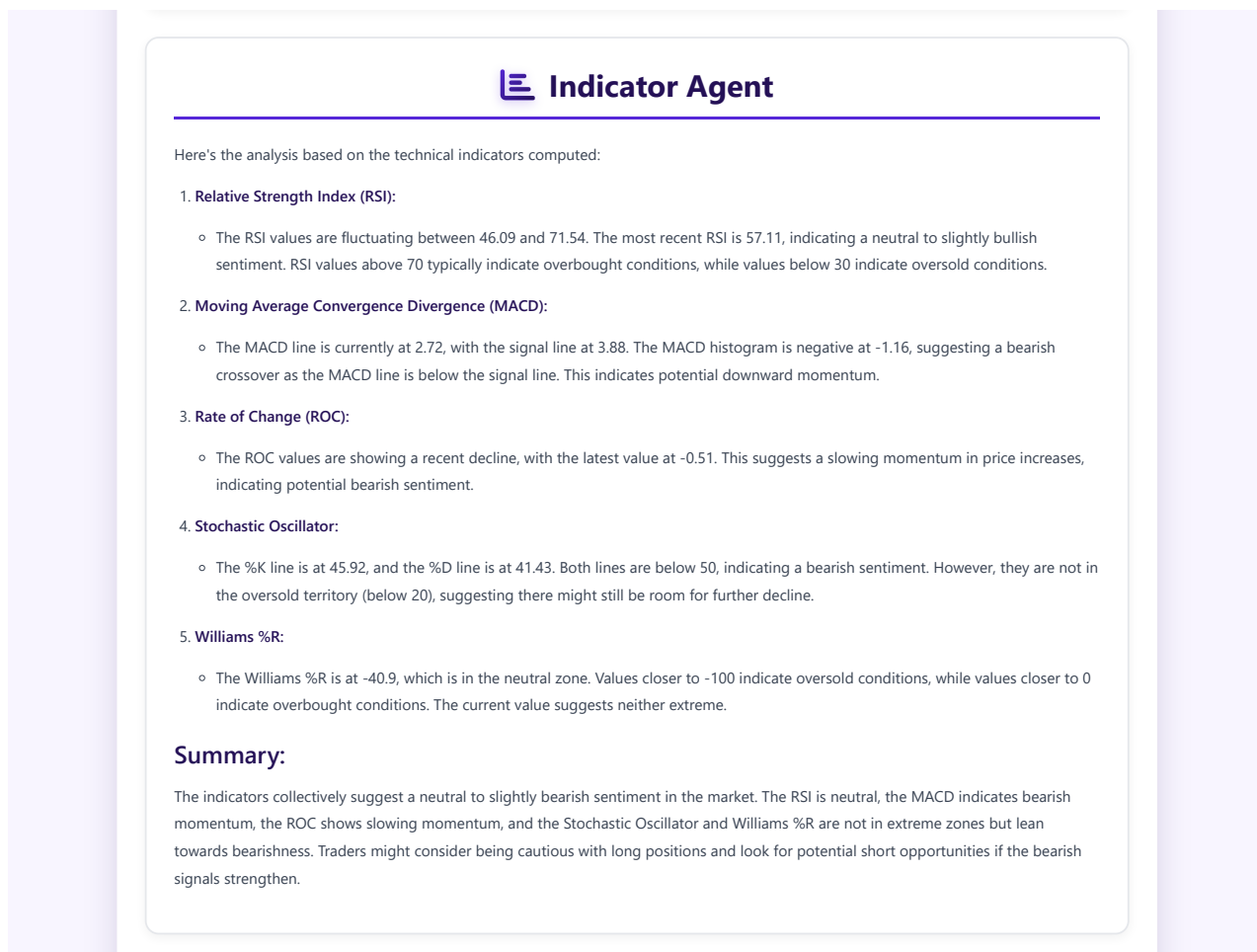

Figure 9 User interface of QuantAgent. The configuration panel enables selection of trading asset (e.g., AAPL), timeframe, and analysis window. It supports live data input, fine-grained control over historical candlestick ranges, and secure local execution. By default, the system optimizes context using the most recent 40–50 price bars to balance relevance and computational efficiency.

Figure 10 Trading decision interface of QuantAgent. The system produces a final directional decision along with the forecast horizon, risk–reward ratio, and a textual justification grounded in pattern recognition (e.g., Rounded Bottom reversal).

📈 Indicator Agent

Here's the analysis based on the technical indicators computed:

1. **Relative Strength Index (RSI):**

   - The RSI values are fluctuating between 46.09 and 71.54. The most recent RSI is 57.11, indicating a neutral to slightly bullish sentiment. RSI values above 70 typically indicate overbought conditions, while values below 30 indicate oversold conditions.

2. **Moving Average Convergence Divergence (MACD):**

   - The MACD line is currently at 2.72, with the signal line at 3.88. The MACD histogram is negative at -1.16, suggesting a bearish crossover as the MACD line is below the signal line. This indicates potential downward momentum.

3. **Rate of Change (ROC):**

   - The ROC values are showing a recent decline, with the latest value at -0.51. This suggests a slowing momentum in price increases, indicating potential bearish sentiment.

4. **Stochastic Oscillator:**

   - The %K line is at 45.92, and the %D line is at 41.43. Both lines are below 50, indicating a bearish sentiment. However, they are not in the oversold territory (below 20), suggesting there might still be room for further decline.

5. **Williams %R:**

   - The Williams %R is at -40.9, which is in the neutral zone. Values closer to -100 indicate oversold conditions, while values closer to 0 indicate overbought conditions. The current value suggests neither extreme.

Summary:

The indicators collectively suggest a neutral to slightly bearish sentiment in the market. The RSI is neutral, the MACD indicates bearish momentum, the ROC shows slowing momentum, and the Stochastic Oscillator and Williams %R are not in extreme zones but lean towards bearishness. Traders might consider being cautious with long positions and look for potential short opportunities if the bearish signals strengthen.

Figure 11 IndicatorAgent interface of QuantAgent. A structured IndicatorAgent report is displayed, summarizing key technical indicators, MACD, RoC, Stochastic Oscillator, and Williams %R, to support interpretability and validate the decision process.