✅ 1. SR + RSI Divergence Strategy

Tools: Support/Resistance zones + RSI (14)

📈 **Setup:**

- Draw key **Support/Resistance** zones on 1-minute and 5-minute timeframes.

- Add **RSI (14)**.

📌 **Entry Conditions:**

- Price hits **major support/resistance**.

- **RSI shows divergence**:

  - Price makes **lower lows**, RSI makes **higher lows** → **BUY**

  - Price makes **higher highs**, RSI makes **lower highs** → **SELL**

- Enter at next candle open after confirmation.

✅ **Works Best:**

- In ranging or reversal conditions.

- With **candle confirmation** (e.g., pin bar, engulfing).

✅ 2. Bollinger Band Squeeze + Breakout Strategy

Tools: Bollinger Bands (20,2)

📈 **Setup:**

- Add **Bollinger Bands (20,2)**.

- Identify periods of **low volatility** (bands squeeze).

📌 **Entry Conditions:**

- Bands **contract** (low volatility).

- Strong **breakout** candle closes **outside** upper/lower band.

- Enter in breakout direction with next candle.

✅ **Works Best:**

- In sideways markets before major moves.

- Use **volume indicator** for confirmation.

✅ 3. EMA Cross + MACD Momentum

Tools: EMA (9 & 21) + MACD (12,26,9)

📈 **Setup:**

- Add **EMA 9 & 21**

- Add **MACD**

📌 **Entry Conditions:**

- **EMA 9 crosses EMA 21**

- MACD lines **confirm trend direction**

- Enter on the close of the **crossover candle**

✅ **Works Best:**

- In **trending markets**.

- Avoid **range-bound sessions** (like pre-market).

✅ 4. Support/Resistance + Stochastic Oversold/Overbought

Tools: Support/Resistance + Stochastic (14,3,3)

📈 **Setup:**

- Mark strong **S/R levels**

- Add **Stochastic Oscillator**

📌 **Entry Conditions:**

- Price hits **S/R level**

- Stochastic in **Overbought (>80)** → **SELL**

- Stochastic in **Oversold (<20)** → **BUY**

- Look for **candle confirmation**

✅ **Works Best:**

- In **choppy/ranging** markets.

- Avoid trading into news or high volatility.

✅ 5. Candle Pattern + VWAP

Tools: VWAP (intraday sessions), Price Action

📈 **Setup:**

- Use **VWAP (Volume Weighted Average Price)**

- Look for **candlestick patterns** near VWAP (pin bar, engulfing, doji)

📌 **Entry Conditions:**

- **Price rejects VWAP** from above → **SELL**

- **Price rejects VWAP** from below → **BUY**

- Confirm with **volume spike**

✅ **Works Best:**

- On **high-volume sessions**.

- Near **opening hours** of major markets (e.g., London, NY)

🧠 Pro Tips:

- Always wait for **candle confirmation** (e.g., engulfing, hammer).

- Risk management: Max 1–2% per trade.

- Combine these strategies with **market structure** (trends, pullbacks).

- Use **London or NY overlap sessions** for best results.

#	Strategy Name	Tools Used	Setup Instructions	Entry Conditions	Best Market Conditions
1	**SR + RSI Divergence**	S/R zones, RSI (14)	- Plot strong Support/Resistance zones on 1min & 5min charts- Add RSI indicator	- Price hits S/R level- RSI Divergence: ↳ Price lower low + RSI higher low → **BUY**↳ Price higher high + RSI lower high → **SELL**- Candle confirms	Range-bound markets or at trend exhaustion
2	**Bollinger Band Squeeze + Breakout**	Bollinger Bands (20,2)	- Add Bollinger Bands (20,2)- Wait for squeeze (narrow bands)	- Breakout candle closes **outside** the band- Enter on next candle in breakout direction	Before strong breakouts or news releases

3	**EMA Crossover + MACD Momentum**	EMA (9 & 21), MACD (12,26,9)	- Add EMA 9 & 21- Add MACD indicator	- EMA 9 crosses EMA 21- MACD confirms trend direction- Enter at candle close	Trending markets (avoid choppy ranges)
4	**S/R + Stochastic Overbought/Oversold**	S/R levels, Stochastic (14,3,3)	- Plot horizontal S/R lines- Add Stochastic oscillator	- Price hits S/R level- Stochastic > 80 → **SELL**- Stochastic < 20 → **BUY**- Candle confirmation required	Range-bound or sideways movement
5	**Candle Pattern + VWAP Rejection**	VWAP, Price Action, Volume	- Add VWAP line- Observe price behavior near VWAP- Identify candlestick patterns like pin bar, hammer, engulfing	- Price rejects VWAP⤷ From above → **SELL**⤷ From below → **BUY**- Confirm with volume spike	High volume intraday sessions (open hours)

Market Condition	Best Strategy to Use
Ranging/Sideways	✅ SR + RSI Divergence ✅ S/R + Stochastic
Trend Reversals	✅ RSI Divergence ✅ Candle Pattern + VWAP
Strong Trends	✅ EMA + MACD Cross
Low Volatility (Pre-Breakout)	✅ Bollinger Band Squeeze
High Volatility (Breakout)	✅ VWAP Rejection + Candle Pattern

Bot Architecture Overview (Modular):

1. **Market Type Detection Module**
   → Uses volatility + trend filters to classify: Trending / Ranging / Consolidating

2. **Condition Match Engine**
   → Activates only relevant strategies based on market type

3. **Signal Filter Layer**
   → Adds confirmation from candle patterns or volume

4. **Risk Filter**
   → Optional: Avoids signals during high-impact news (via API)

5. **Signal Output**
   → Webhook, email, dashboard, or auto-trade interface