

AI Trading Genius – Project Presentation

Project Overview

AI Trading Genius is an advanced AI-powered trading platform designed for India's NSE/BSE markets.

It leverages machine learning, real-time data analysis, and automated execution to empower traders with intelligent, data-driven decisions.

Key Features

Machine Learning Predictions

- Analyze market data in real-time
- Generate actionable trading signals

Risk Management & Portfolio Optimization

- Custom stop-loss and position sizing
- Real-time portfolio risk scoring

Paper Trading & Live Trading Modes

- Safely test strategies without risking capital

Interactive Dashboard

- Streamlit-powered UI with Plotly visualizations
- Clear metrics and controls

✓ **Strategy Backtesting**

- Simulate performance over historical data

Emergency Stop

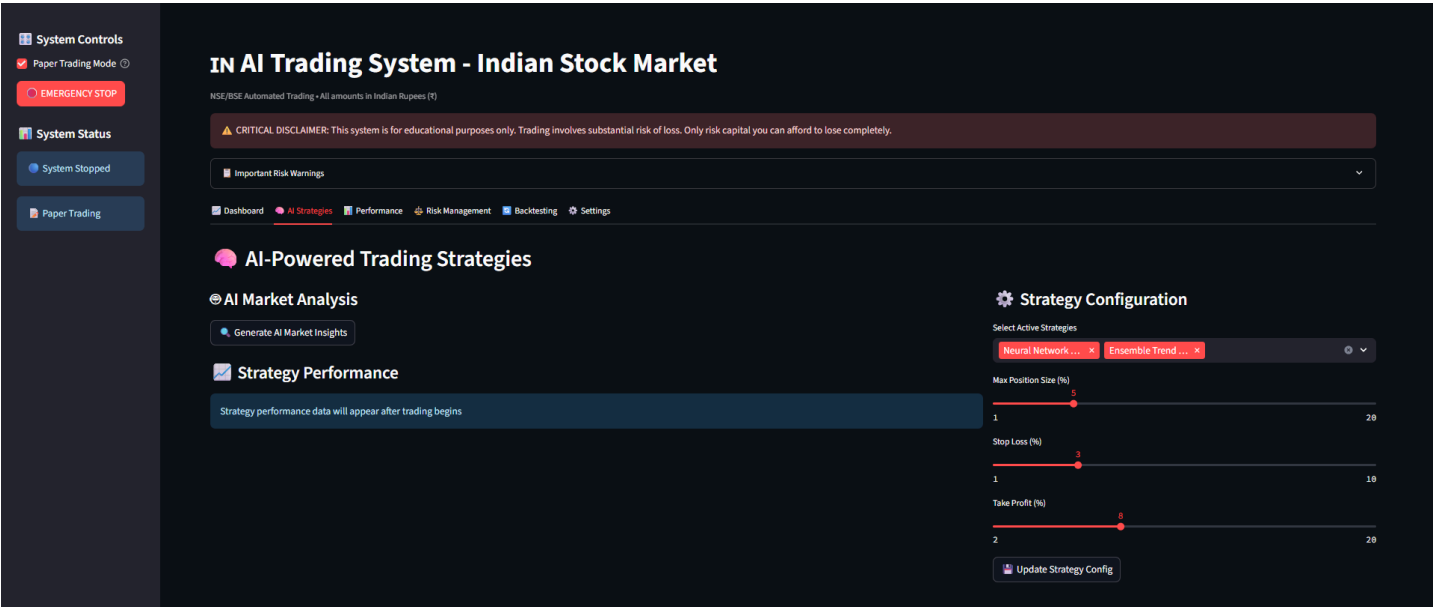
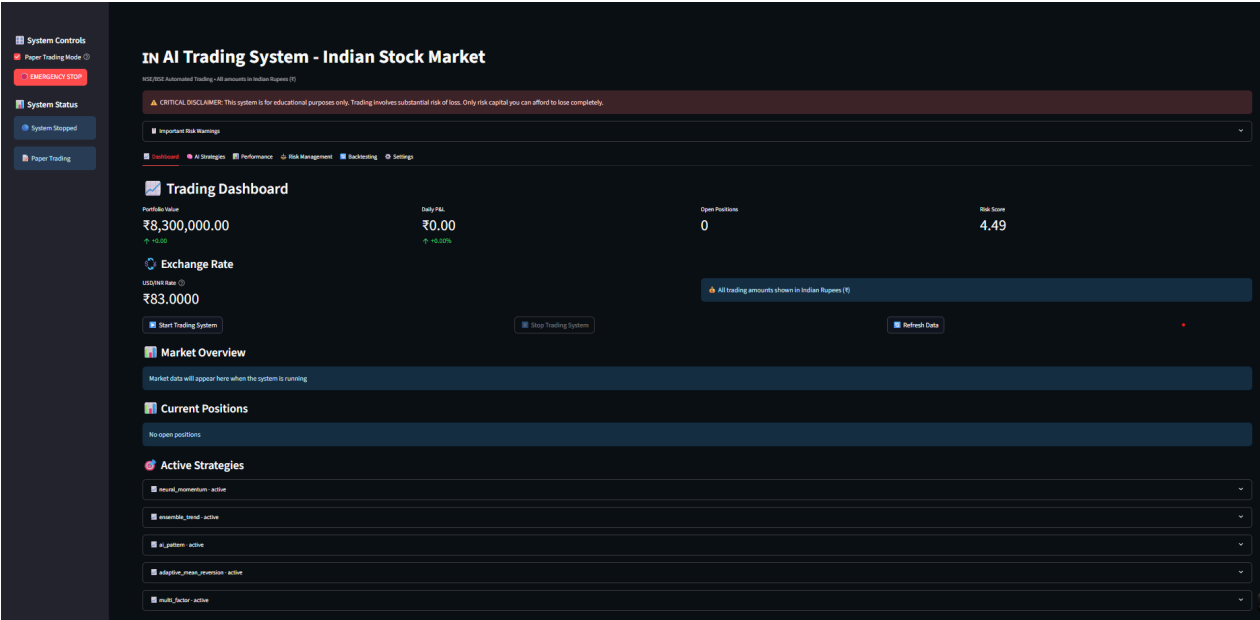
- Instantly halt all trading activities

Technology Stack

- **Python**
- **Streamlit** for the web app interface
- **Plotly** for charts and visual analytics
- **Custom ML Models & Strategies**
- Modular architecture with:
 - Data Processor
 - ML Model Manager
 - Strategy Manager
 - Risk Manager
 - Portfolio Manager

- AI Advisor
- Backtester
- Trade Executor

Screenshots



System Controls

Paper Trading Mode

EMERGENCY STOP

System Status

System Stopped

Paper Trading

IN AI Trading System - Indian Stock Market

NSE/BSE Automated Trading • All amounts in Indian Rupees (₹)

⚠️ CRITICAL DISCLAIMER: This system is for educational purposes only. Trading involves substantial risk of loss. Only risk capital you can afford to lose completely.

Important Risk Warnings

DashboardAI StrategiesPerformanceRisk ManagementBacktestingSettings

Performance Analysis

Portfolio Performance

Performance data will be available after trading begins

Risk Metrics

Portfolio Var

0.0200

Sharpe Ratio

1.2000

Max Drawdown

0.0800

Beta

1.1000

Alpha

0.0300

Information Ratio

0.8000

Sortino Ratio

1.5000

System Controls

Paper Trading Mode

EMERGENCY STOP

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Paper Trading

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Important Risk Warnings

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Risk Management

Risk Controls

Maximum Portfolio Risk (%)

1.0010.00

5.00

Maximum Position Size (%)

1.0025.00

10.00

Global Stop Loss (%)

1.0015.00

5.00

Update Risk Parameters

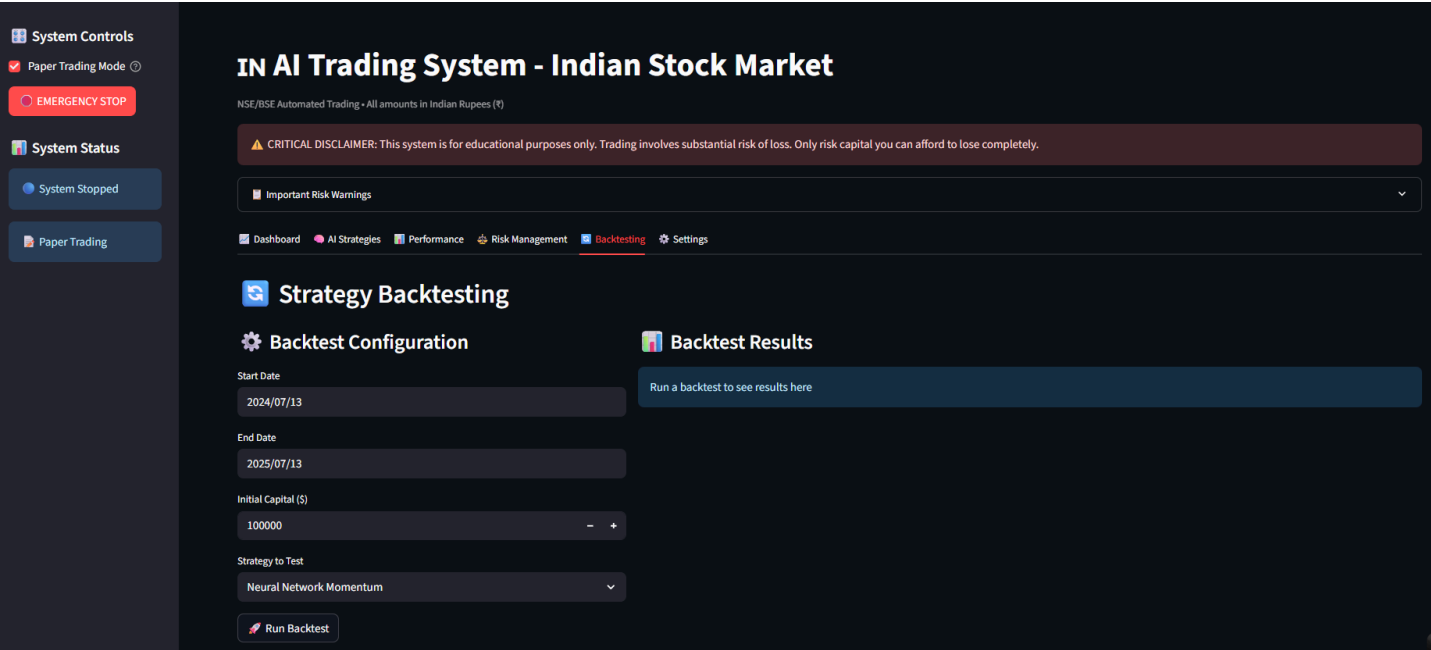
Current Risk Status

Portfolio Risk: 3.00%

Position Concentration: 8.00%

Daily Loss: 1.00%

Leverage: 130.00%



Example Screenshots to Include:

- Dashboard showing metrics and charts
- AI Strategies tab
- Backtesting results

- Settings and risk controls
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Benefits

- **Accessible:** Brings institutional-grade trading tools to individual investors
 - **Safe:** Strong risk controls and paper trading mode
 - **Intelligent:** AI-powered insights for confident decisions
 - **Transparent:** Real-time performance and logs
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Disclaimer

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Trading involves significant risk of loss. Use only risk capital you can afford to lose.

Contact

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