Identify Buy Candidates

Stock Buy Candidate Program Analysis

# Description:

Design a comprehensive stock analysis and portfolio management application with the following core features: Primary Objective: Identify stocks with potential for 10%+ monthly gains through data-driven analysis Core Components: Stock Screening & Analysis Engine Technical analysis using price trends, volume patterns, and momentum indicators Sentiment analysis from news, social media, and analyst reports Fundamental analysis integration (P/E ratios, earnings growth, sector performance) Machine learning models for pattern recognition Portfolio Management Dashboard Real-time tracking of purchased and sold positions Performance metrics with profit/loss calculations Risk assessment and position sizing recommendations Transaction history and tax reporting features Backtesting & Strategy Refinement Historical performance testing of analysis algorithms Parameter optimization tools Strategy comparison and validation Performance attribution analysis Additional Value-Add Features Real-time market data integration Customizable alerts and notifications Risk management tools (stop-loss, position limits) Educational resources and market insights API integration for popular brokerages Technical Requirements: Specify preferred programming language, database requirements, real-time data sources, and deployment preferences (web app, desktop, mobile, or hybrid)."