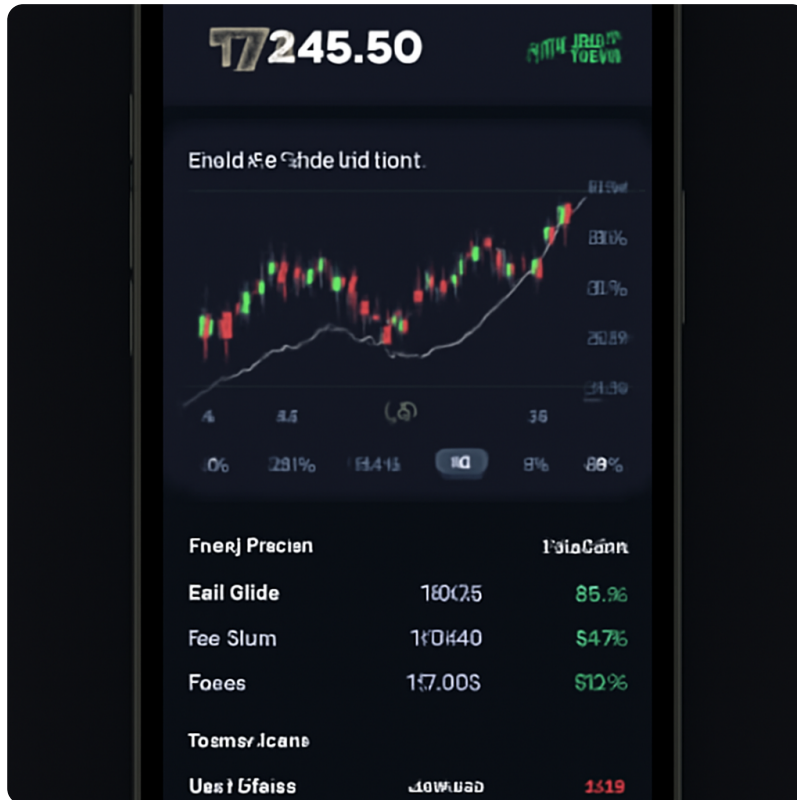


Oracle Stocks Oracle India

Comprehensive Application Documentation



1. Application Overview

Oracle Stocks Oracle India is a specialized, AI-powered mobile application dedicated exclusively to intelligent analysis of the Indian stock market (NSE and BSE). It delivers real-time trading insights, predictive analytics, and secure financial operations, supporting equities, derivatives, and indices. The core focus is providing institutional-grade tools to retail traders via a secure and accessible mobile platform.

2. Core Feature Summary

- AI & ML Analysis:** Advanced predictive models for pattern recognition and sentiment analysis.
- TradingView Integration:** Real-time, interactive charting capabilities for detailed technical analysis.
- Security & KYC:** Multi-factor authentication, PAN/Aadhaar verification, facial recognition, and bank linkage.
- Dynamic Payments:** Admin-managed, rotating UPI payment gateway designed for maximum transaction security.
- Learning Modules:** Structured courses covering fundamental and advanced Indian trading strategies.

3. Detailed Application Features

3.1 AI-Powered Market Analysis

- **Predictive Analytics:** Covers pattern recognition (breakouts, reversals, volume clusters).
- **Sentiment Analysis:** Live news feeds from primary Indian financial sources are processed using Natural Language Processing (NLP).
- **Technical Depth:** Includes standard indicators (RSI, MACD, EMA) integrated with interactive charts.
- **Derivatives View:** Comprehensive options chain visualization showing Open Interest (OI) and implied volatility (IV).

3.2 Real-time Charting & Alerts

The app integrates TradingView widgets for robust charting, synced live every few seconds.

- Multiple timeframes and user-editable indicators.
- Detailed stock pages featuring AI explanations and dynamic news overlays.
- AI Alert System delivers push notifications for market events (breakouts, unusual volume) and personalized watchlist triggers.

4. Subscription Model & Payments

Duration	Price (INR)	Key Benefit
1 Week	₹1,000	Short-term trial access
1 Month	₹3,000	Standard access
3 Months	₹7,500	Quarterly discount
1 Year	₹25,000	Best value annual plan

4.1 Secure Payment Gateway

Payments are processed exclusively via a dynamic UPI gateway. The system generates unique, rotating UPI IDs for every transaction to mitigate fraud, ensuring that no single payment address is reused instantly. This pool of IDs is centrally managed via the Admin Panel.

4.2 Comprehensive KYC & Security

- **Verification:** PAN and Aadhaar verification linked with OTP confirmation.
- **Biometrics:** Facial recognition with required liveness checks during onboarding.
- **Financial Linkage:** Validation of user's bank account linked to the UPI profile.
- **Device Integrity:** Device fingerprinting combined with multi-factor authentication (MFA).

5. Technology Stack & Infrastructure

Component	Technologies Used
Frontend (Mobile)	Flutter or React Native
Backend & Database	Node.js or Django (Backend), PostgreSQL (Database)
AI/ML Models	Python, TensorFlow, scikit-learn (for pattern recognition and NLP)
APIs & Data	NSE/BSE Data APIs, TradingView Widgets, NewsAPI
Security	AES-256 encryption, JWT authentication, MFA/KYC protocols

6. User Journey Workflow

- Onboarding & Verification:** User registers and completes multi-layer KYC (PAN, Aadhaar, Facial Recognition, Bank Linkage).
- Funding:** User initiates deposit, receiving a unique, temporary UPI ID for the payment session.
- Access & Analysis:** User gains access to market analysis, live charts, and personalized signals.
- Subscription:** User selects and purchases a tiered plan to unlock advanced AI features.
- Learning:** User utilizes integrated courses (Learning Page) covering technical, fundamental, and options trading.
- Engagement:** User receives personalized alerts and utilizes 24/7 support via chat/ticketing for assistance.

7. Administration & Control Panel

The secure Admin Panel provides complete oversight and operational control:

- **User Management:** Review and manually approve/reject pending KYC applications.
- **Financial Oversight:** Monitor deposit/withdrawal flows, subscription statuses, and wallet balances.
- **Payment Security:** Management of the dynamic UPI ID pools, defining rotation schedules and lock timers.
- **System Health:** Tracking AI model accuracy, data feed integrity, and responding to support tickets.
- **Communication:** Ability to broadcast market updates or essential tips directly to the user base.

7.1 Learning Module Courses

- Indian Stock Market Fundamentals
- Technical Analysis Essentials
- Options Trading Strategies & Risk Management
- Fundamental Analysis and Company Valuation
- Advanced Trading Techniques