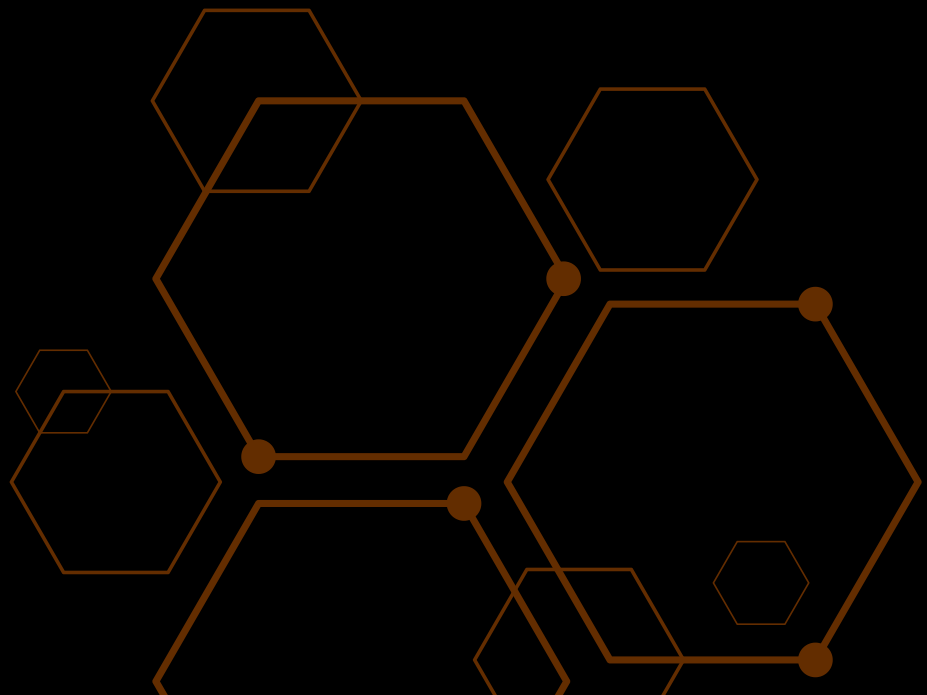# Neos

Stay Ahead of the Trend with Neos

Neos:
Real-Time Crypto Narrative Detection Bot

Neos is an AI-powered bot designed to detect emerging crypto narratives from influential figures in the cryptocurrency space on Twitter. By leveraging advanced Natural Language Processing (NLP) techniques, Neos analyzes tweets in real-time from top crypto influencers to identify key trends, topics, and sentiments relevant to new crypto projects and launches. The system then notifies users of these detected narratives, enabling them to act on trending topics immediately. This whitepaper outlines the development steps for building Neos and its underlying architecture.

Introduction

01

In the fast-moving world of cryptocurrency, staying ahead of the curve is essential. Twitter influencers such as Elon Musk, Vitalik Buterin, and CZ (Binance CEO) significantly shape market sentiments and influence the discourse surrounding cryptocurrencies and blockchain technologies. Neos is a cutting-edge AI tool designed to automatically track and detect these shifts in real time, enabling users to capitalize on emerging trends before they fully materialize.

Neos will provide automated real-time monitoring and detection of crypto-related narratives from Twitter, alerting users instantly when significant discussions emerge. With its robust combination of machine learning, sentiment analysis, and trend detection, Neos empowers users to act on crypto narratives as they unfold, enabling better decision-making for project launches and investments.

Data Collection
(Twitter API Integration)

02

Objective:

The first step in developing Neos is to gather tweet data from prominent crypto influencers on Twitter. We will use the Twitter API (v2) to collect data from specific users known for shaping crypto conversations.

Implementation:

Twitter Developer Account Setup: Neos will require a developer account on Twitter's platform to access the necessary API keys for gathering tweet data.

Identifying Key Influencers:
A list of top crypto influencers such as Elon Musk, Vitalik Buterin, CZ (Binance CEO), Brian Armstrong (Coinbase CEO), and others will be maintained and used to filter tweets for analysis.

Data Collection:
Using the Twitter API, Neos will fetch the latest tweets from these influencers, specifically targeting the most recent 100 tweets at any given time. Data such as tweet content, time of tweet, and metadata will be stored for analysis.

Data Storage:

The collected tweets will be stored in a database. We're using MongoDB or SQL for easy retrieval and analysis.

Natural Language Processing (NLP) for Narrative Detection

03

Objective:

Once data has been collected, Neos will analyze the tweets to identify emerging narratives or trends relevant to crypto projects.

Implementation:

Preprocessing: The first step will involve cleaning the data by removing irrelevant content such as links, mentions, special characters, and stop words. Tokenization will then break down tweets into individual words for easier analysis.

Topic Modeling: Neos will employ topic modeling algorithms like Latent Dirichlet Allocation (LDA) to uncover underlying themes or topics in the tweets. This will help identify common discussions about crypto-related technologies, projects, and events.

Sentiment Analysis: Advanced machine learning models will be used for sentiment analysis, classifying tweets as positive, neutral, or negative. This will aid in detecting emerging narratives with favorable or unfavorable tones.

Named Entity Recognition (NER): Neos will use NER to identify specific cryptocurrencies, blockchain technologies, and key influencers mentioned in tweets. This helps focus on high-impact mentions that drive trends.

Trend Detection: By tracking the frequency and context of certain keywords, hashtags, and sentiments over time, Neos will detect when a narrative is gaining traction. Real-time monitoring will identify emerging trends before they fully take shape.

Notification System

04

Objective:

Once a narrative has been identified, Neos will notify users immediately so they can act on the emerging trend.

Implementation:

Webhook System: Neos will use a webhook architecture to send notifications across various channels such as email, SMS, or push notifications.

Notification Channels:

Email Alerts: Users can receive notifications via services like SendGrid or Amazon SES.

SMS Alerts: Notifications sent through Twilio.

Push Notifications:
Real-time notifications using Firebase Cloud Messaging (FCM) for mobile devices.

User Interface (UI) and Customization

05

Objective:

Neos will provide an interface that allows users to customize their alert preferences and view the detected narratives.

Implementation:

Setting Preferences:
Users can select which influencers to track, adjust notification frequency, and specify interest in particular cryptocurrencies or sentiments.

Viewing Alerts:
A real-time dashboard will show the detected narratives, along with sentiment and context. The dashboard will update dynamically. For the frontend, React.js will be used, with Flask or Django for the backend. Mobile users will receive notifications via React Native or Flutter.

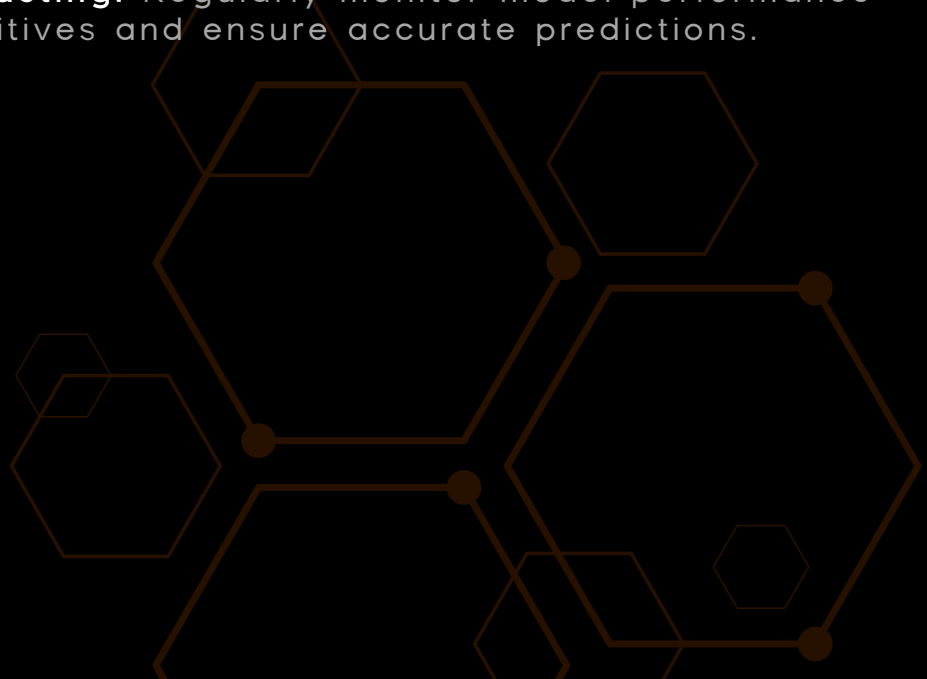# AI Model Refinement and Continuous Improvement

06

Objective:

To ensure the accuracy and relevance of narrative detection, Neos will employ continuous refinement and feedback loops.

Implementation:

Fine-Tuning Models: Neos will continuously retrain models to stay up-to-date with the latest trends.

Monitoring and Adjusting: Regularly monitor model performance to reduce false positives and ensure accurate predictions.

About the Neos Launchpad

07

The Neos Launchpad is your one-stop platform for discovering, tracking, and acting on the hottest crypto narratives–instantly.

With built-in narrative notifications, the Launchpad is directly connected to our bot, allowing you to auto-buy trending narratives within seconds. No delays, no missed opportunities–just one click and you're in.

You'll also find a real-time feed of what's trending, insights on narratives per major Crypto Twitter (CT) voice, and a dedicated launch section that lets you instantly launch your own narrative when the momentum hits.

App of NEOS

08

1. Narrative Notification with Direct Trading Links:

Whenever a new narrative based on an influential tweet (like Elon Musk's tweet) is detected, Neos will send users a push notification on their phone.

Along with the narrative details (sentiment, potential market impact, and associated coins), the notification will include direct links to trading platforms like Dexscreener or Dextools for the corresponding token.

Example Notification:
"New Narrative Detected: Elon Musk tweets about Dogecoin. Market sentiment is bullish! Check it out on DexTools [link] or trade it on DexScreener [link]."

2. Integrated Buy Buttons:

In the Neos app, when users view a specific narrative, they will see an interactive button that opens Dexscreener or Dextools for the coin being discussed.

This will allow users to go directly to the trading charts, buy/sell options, and other relevant trading data for that coin.

3. Token Details with Live Market Data:

Neos will provide live market data for the coins related to the narrative. For example, users will see the coin's price chart, liquidity, and volume in real-time, all directly integrated into the narrative screen.

APIs from DexTools or DexScreener will be used to display this information, allowing users to track the coin's current market situation without leaving the app.

4. Cross-Platform Notifications:

Whenever a new narrative pops up and is linked to a coin that can be traded on a decentralized exchange, Neos will send cross-platform notifications.

Mobile App Notifications: Direct users to DexScreener or Dextools via their mobile app.

Desktop Web Notifications: If the user is logged into Neos on a web browser, they will get the same notification with the option to directly open the charts and trade from their desktop browser.

5. Real-Time Alerts for Changing Sentiment:

For example:
"Shift Detected: Sentiment on Dogecoin turns bearish after Elon's follow-up tweet. Check updated charts on DexTools [link] or DexScreener [link]."

6. Market Impact Insights:

Alongside the narrative, Neos will provide market insights such as how fast the coin's price has moved or how much trading volume has spiked after the tweet. This will help users quickly gauge the potential for profits or risks.

7. Token Watchlist Integration:

Neos will allow users to add the narrative-related token to their watchlist directly from the notification. They will be able to track its price, liquidity, and trading volume over time, helping them stay updated without leaving the app.

Once a token is added to the watchlist, users will also be notified when there are any significant price changes or market updates related to the narrative.

Tokenomics
09

Total Supply:
10,000,000

84.8%
LIQUIDITY POOL

10.2%
PRIVATE SALE

5%
TREASURY WALLET
- MARKETING
- EXCHANGE

4/4 Tax   2% Development   1% Marketing   1% Team

NEOS Roadmap

10

Q1: Core Development & Telegram Bot Launch

Goal: Establish infrastructure, develop Telegram bot, and finalize app UI.

Key Objectives:
- Infrastructure Setup:
- Tech Stack: Node.js, MongoDB, Heroku.
- Set up project infrastructure (repositories, CI/CD pipelines).
- Apply for Twitter Developer API access to collect tweet data.
- Data Collection & Preprocessing:
- Tech Stack: Twitter-API-v2 .
- Fetch real-time data from top crypto influencers (Elon Musk, Vitalik Buterin, etc.).
- Preprocess tweets for NLP analysis.
- Telegram Bot for Notifications:
- Tech Stack: telegraf.
- Launch Telegram bot to send alerts on detected crypto narratives in real-time.
- App UI Design Finalized:
- Tech Stack: React.js (Frontend).
- Finalize app design, focusing on user dashboard and real-time alerts.
- Marketing Prep:
- Teaser Campaign: Start social media campaigns to build buzz (Twitter, Reddit, YouTube).
- Influencer Outreach: Onboard key crypto KOLs (Key Opinion Leaders) to promote the upcoming launch.

Deliverables for Q1:
- Infrastructure for data collection.
- Active Telegram bot with notifications.
- Finalized app UI design.

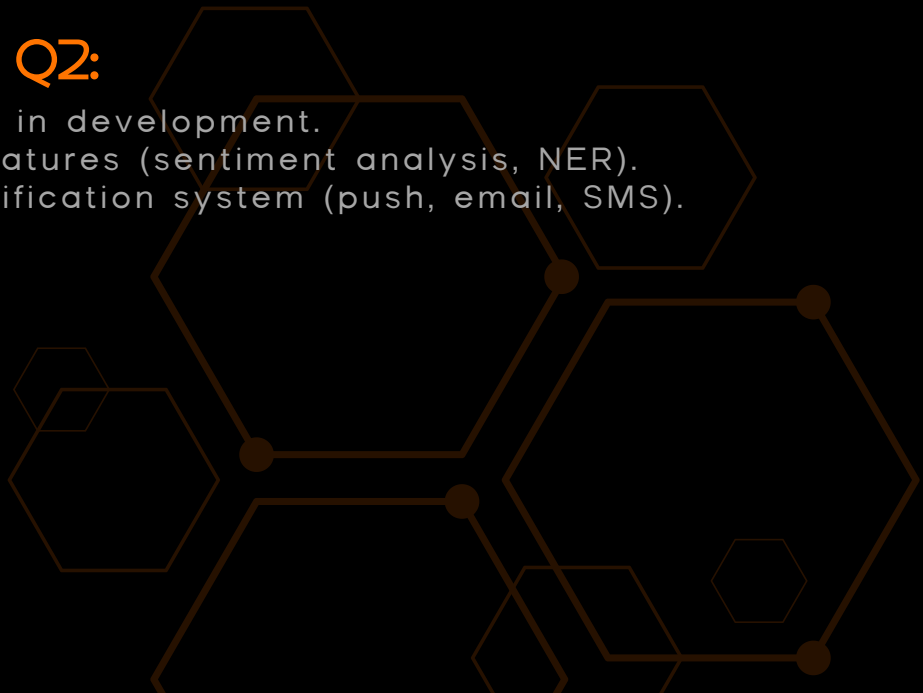# Q2: App Development, Advanced NLP, & Multi-Channel Notifications

Goal: Develop mobile/web apps, enhance notifications, and improve NLP capabilities.

Key Objectives:

- App Development:
- Tech Stack: React.js, Flask/Django.
- Build app's core features (user preferences, dashboard, trend alerts).
- Advanced NLP Features:
- Tech Stack: Hugging Face, Spacy (NER).
- Enhance sentiment analysis and introduce Named Entity Recognition (NER) to track specific crypto projects.
- Multi-Channel Notification System:
- Tech Stack: Firebase, Twilio.
- Expand notifications to SMS, email, and push notifications.
- Marketing Campaign:
- CEX Partnerships: Begin conversations with centralized exchanges (CEXs) to list Neos and integrate with their platforms for broader visibility.
- Launch Social Media Campaign: Engage crypto communities (Twitter, Discord, Telegram) and organize giveaways to increase awareness.
- Influencer Promotions: KOLs promote the Telegram bot and app; offer exclusive early access to their followers.

Deliverables for Q2:

- Mobile/Web apps in development.
- Advanced NLP features (sentiment analysis, NER).
- Multi-channel notification system (push, email, SMS).

Q3: App Launch, User Onboarding, & Marketing Ramp-up

Goal: Launch the app, onboard users, and initiate aggressive marketing.

Key Objectives:
- App Launch:
- Tech Stack: React Native for mobile, Firebase for notifications.
- Finalize and launch mobile/web apps.
- Implement features like direct links to trading platforms, live market data, and token watchlists.
- User Onboarding:
- Onboarding Flow: Streamline user registration and setup process.
- Referral Program: Introduce a referral system for early users to invite others in exchange for rewards (e.g., access to premium features or exclusive content).
- Aggressive Marketing Push:
- Social Media Blitz: Paid ads on Twitter, YouTube, Instagram, and crypto forums to drive awareness.
- CEX Listings: Push for listings on top CEXs and promote app through these exchanges.
- Partnerships with Exchanges & Wallets: Establish partnerships with wallet apps and exchanges for cross-promotional marketing.

Deliverables for Q3:
- Successful app launch (mobile/web).
- Active user onboarding and referral program.
- CEX listings and exchange promotions.

Q4: Scaling, Advanced Features, & Global Growth

Goal: Scale platform, expand globally, and refine features based on user feedback.

Key Objectives:
- App Scaling & Cloud Infrastructure:
- Tech Stack: Kubernetes, AWS, Google Cloud.
- Implement horizontal scaling to handle growing user base and increasing data volumes.
- Advanced Features & AI Enhancements:
- Tech Stack: Machine learning models for trend prediction.
- Enhance prediction models for future crypto trends and integrate data from additional sources (e.g., exchange prices, market data).
- Global Expansion:
- Internationalization: Expand Neos to detect narratives in multiple languages (Spanish, Chinese, etc.).
- Marketing Expansion: Scale marketing efforts globally by reaching new markets (Asia, Europe, etc.) through crypto communities on Telegram, WeChat, etc.
- Collaborations & Partnerships:
- Launch Cross-Platform Support: Expand into other crypto platforms like Reddit, Telegram, and Discord.
- Launch a Premium Tier: Offer a paid version of Neos with advanced features (customizable alerts, trend predictions).

Deliverables for Q4:

- SuScalable platform with global reach.
- Advanced AI features for trend prediction.
- International marketing push and global partnerships.

Conclusion

11

Neos represents a powerful tool for staying ahead of emerging crypto narratives. By automatically detecting trends from crypto influencers' tweets and delivering real-time notifications, Neos helps users make informed decisions regarding new crypto launches and investments. The system integrates advanced NLP, sentiment analysis, and real-time notification capabilities, ensuring that users can respond quickly and effectively in the fast-paced crypto market.

With continued development and refinement, Neos will evolve to become an indispensable tool for anyone looking to capitalize on the dynamic world of cryptocurrency.