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# Obel

# “short for obelisk which means knowledge, power, permanence, and enlightenment”

# What is it:

# AI-Powered Web3 Content Curation Platform

# AKA

# **"The Spotify Discover Weekly"**

# of Web3 content — powered by AI + blockchain.

**Key Features**

1. **AI-Driven Content Filtering & Ranking**
   * Use AI algorithms (e.g., Natural Language Processing, NLP) to analyze and rank content based on relevance, popularity, and user preferences.
2. **Web3 Integration (Lens Protocol & Farcaster)**
   * Integrate blockchain protocols for decentralized content storage and interaction, ensuring user control and ownership of data.
   * Enable interactions like following creators, liking, commenting, and content creation directly on the blockchain.
3. **User Profiles & Personalization**
   * Allow users to create profiles, follow creators, and personalize their feed based on interests and activity.
4. **Tokenomics & Incentive System**
   * Use tokens (e.g., NFTs or ERC-20) to reward users for engagement, content creation, and curating quality content.
5. **Decentralized Content Submission**
   * Enable content creators to post on the platform, ensuring censorship resistance.
6. **Real-Time Analytics & Dashboard**
   * Provide creators and users with insights on their content’s performance, engagement, and community growth.
7. **Social Features**
   * Allow users to comment, share, and interact with others' content seamlessly.
8. **Content Discovery & Search**
   * Implement search and discovery features, powered by AI, to help users find content that suits their interests.
9. **Mobile and Desktop Compatibility**
   * Responsive UI that works across all devices for a smooth user experience.

**Tech Stack**

1. **Frontend (User Interface)**
   * **React.js**: For building dynamic, component-based user interfaces.
   * **TailwindCSS**: For fast and flexible styling with a utility-first approach.
   * **Redux** or **Context API**: For state management, especially for handling user authentication and preferences.
2. **Backend (API Layer)**
   * **Node.js** with **Express.js**: For building the server-side API and managing Web3 requests.
   * **GraphQL**: For querying blockchain data and fetching decentralized content in a structured format.
3. **Blockchain Integration**
   * **Lens Protocol**: For decentralized content curation and interaction.
   * **Farcaster**: For decentralized social networking and data storage.
   * **Web3.js** or **Ethers.js**: For interacting with Ethereum blockchain and smart contracts.
4. **AI/ML Integration**
   * **TensorFlow.js** or **Hugging Face** (for NLP tasks): To build AI models for content ranking, sentiment analysis, and personalized recommendations.
   * **OpenAI GPT Models** (via API): For content summarization and natural language processing tasks.
5. **Database**
   * **IPFS** (InterPlanetary File System): For decentralized file storage, hosting media/content.
   * **MongoDB** or **PostgreSQL**: For storing user data, profile information, and non-blockchain-related information.
6. **Authentication & Security**
   * **OAuth** or **MetaMask** for Web3-based authentication (wallet sign-in).
   * **JWT (JSON Web Tokens)**: For user authentication in non-Web3 contexts.
   * **SSL/TLS** for secure communication.
7. **Hosting & Deployment**
   * **Vercel** or **Netlify** for hosting the frontend.
   * **AWS** or **Google Cloud** for backend and database hosting.
   * **Docker**: For containerizing the backend and ensuring scalability.
8. **DevOps & CI/CD**
   * **GitHub Actions** or **CircleCI** for continuous integration and deployment.
   * **Docker Compose**: For local development and managing microservices.

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You're envisioning a **comprehensive research and discovery hub for meme coins and crypto tokens** that not only shows real-time price and chart data but also tracks and surfaces **social sentiment, popularity trends, search interest, and community chatter**. Think of it like combining:

* **DexTools / CoinMarketCap** (for price + token info),
* **LunarCrush / Santiment** (for social listening),
* **Reddit/Twitter API + AI** (to fetch and summarize real conversations),
* Plus your own unique **Obel AI curation layer** to filter noise and surface relevance.

This is 100% possible and a killer flagship feature to focus on soon. When we’re ready to tackle it, we’ll break it into steps like:

1. 📊 **Data aggregation** – Pull in token data, chart data (via CoinGecko, CoinMarketCap, or TradingView APIs).
2. 📡 **Social sentiment** – Integrate Reddit/Twitter/Farcaster/Lens APIs to detect trending tokens.
3. 🔍 **Snippets & Insights** – Use AI to summarize who’s saying what and where.
4. 🧠 **Search volume tracking** – Use tools like Google Trends or build a custom query logger.
5. 💡 **Obel-recommended trending coins** – Powered by your AI curation logic.
6. Let’s keep this idea safe—we’ll design it soon. For now, you want to build out the page structure and the explore button that links to it?
7. Let’s call it: CoinIntel.js – short for “Coin Intelligence”.

# Obel 2.0

**Obel** is an **AI-powered Web3 Intelligence Hub** that fuses **content curation, real-time crypto analytics, social signals, financial automation, and decentralized finance tools** into a single futuristic platform. Think of it as the **"Bloomberg x Discord x TradingView x ChatGPT of Web3 & DeFi"**, but with an Obelisk glow and a revolutionary twist.

**📜 Blueprint: Obel 2.0 — The Future of Finance, Built for Everyone**

**🌐 Core Pillars:**

1. **🧠 CoinIntel Page (Live)**
   * Real-time coin search, market data, price charts
   * Social media buzz + trends per coin (to be integrated)
   * Entry point for ObelGPT (AI research assistant for coins)
2. **📊 ObelGPT (Coming)**
   * Embedded assistant for research, coin analysis, and crypto education
   * Will help users understand risks, utility, tokenomics, and market hype
   * Could later generate smart contract summaries, AI prompts, alerts, etc.
3. **💬 Obel Chatroom**
   * Social media-style portal where users discuss tokens, trends, and moves
   * Could support wallet login, avatars, memes, or coin-tagged threads
   * Future: sentiment analysis and trending discussions surfaced by AI
4. **📈 AI-Powered Analytics (Planned)**
   * Coin-specific dashboards with:
     + Price + volume charts
     + Wallet activity
     + Trending sources (X, Farcaster, Telegram, Reddit)
     + Risk alerts & breakout signals
5. **🤖 Financial Automation Zone**
   * **AI Trading Bot**: Real-time chart monitoring + simulated trade engine
   * **Options Pricing Tool**: Let users model derivatives with Black-Scholes
   * **Portfolio Optimizer**: Suggest rebalances based on volatility/alpha
   * **Arbitrage Scanner**: Finds price gaps across CEXs/DEXs
6. **🏗️ DeFi Toolkit**
   * **Yield Aggregator**: AI-driven staking/lending rewards maximizer
   * **Smart Contract Tools**: Predict gas fees, detect contract anomalies
   * **NFT Real Estate Market**: Tokenized RE listings with live market feeds
7. **🌉 Cross-Chain Dashboard (Planned)**
   * Unified view of assets across ETH, Solana, Polygon, BSC, etc.
   * Swap, send, and stake directly across chains with wallet connected
8. **🐋 Whale Watch**
   * Follow high-volume wallet movements and historical activity
   * View sentiment, volume surges, and ecosystem-level shifts

**⚡ Future Description (for GitHub, marketing, or docs)**

Obel is a visionary AI-powered Web3 platform that curates real-time content, coin intelligence, decentralized analytics, and social signals into one futuristic dashboard. From DeFi tools to AI-assisted trades, Obel empowers users to navigate the crypto ecosystem with precision, insight, and confidence.