🚀 Hash Brain AI — Roadmap (2025–2027)

Phase 1 — Foundation (Q3–Q4 2025)

Goal: ship a secure product, prove real utility, and earn trust.

1. **$HASH Token Launch (10M fixed)**

- **DEX:** PancakeSwap v2 (stable fees) with a v3 pool added later for optimized ranges.

- **Liquidity:** seed $150k–$300k (USDT/HASH), LP **locked 18–24 months** (Team.Finance/Unicrypt).

- **Fairness:** no trading until tx hash confirmations + anti-MEV tips (private mempool / 10–20 bps buy tax temporarily off; remove taxes post-stabilization).

- **Proof page:** contract, LP lock link, initial wallets, vesting schedule dashboard.

2. **Security: Audits + Bounty**

- **Audit** (CertiK/Hacken) + open-source contracts.

- **Immunefi bounty** ($50k–$150k tiers).

- **Ops:** multisig (Gnosis Safe 3/5), hardware keys, deployer revoked, timelock for upgrades.

3. **MVP App (Web)**

- **Stack:** React+Vite+Tailwind (Vercel), Node/Express/Mongo (VPS/Render), Nginx proxy, PM2.

- **AI:** GPT-5-nano (chat), early RAG for docs/crypto feeds.

- **Auth: SIWE** (RainbowKit/wagmi), **httpOnly cookie hb_sess**, CORS allowlist, same-site/secure flags.

- **Reliability:** rate limits (express-rate-limit), WAF (Cloudflare), logs (Winston), metrics (PostHog).

- **KPI:** TTFB < 300ms (cached), 99.9% uptime, p95 chat latency < 2.0s.

4. **Dashboard: Staking + Subscriptions**

- **Payments:** NOWPayments webhooks → mark subscription, issue AI credits; **5% burn** of HASH from sub revenue.

- **Staking UI:** lock periods (30/90/180d), APY from rewards pool, claim page.

- **Treasury page:** real-time on-chain balances, monthly burn proofs.

5. **Community Engine**

- **Discord set-up:** roles (Holders, Stakers, Ambassadors), XP quests (Galxe/QuestN), weekly AMAs.

- **Content:** 3 shorts/day + 2 long-form/week; Twitter/X spaces weekly.

- **KPI:** 50k socials, 10k MAU, 2k paying subs.

6. **Dubai Crypto Expo 2025**

- Live demo, QR airdrop (soul-bound "Early Supporter" NFT), lead capture (HubSpot).

- **KPI:** 2k scanned leads, 500 conversions in 30 days.

Risks & Mitigation: contract bugs → audits/bounty; cookie/auth bugs → e2e Cypress tests; liquidity shocks → MM agreement + circuit breakers.

Phase 2 — Growth & Adoption (Q1–Q2 2026)

Goal: scale users, listings, and revenue.

1. **Listings & Market Data**

- **CMC/CoinGecko** tracking, proof docs (audit, LP lock, supply), API integration into app.

- Tier-2 CEX (MEXC/Bitmart/Gate) with market-maker support and cold-wallet custody.

2. **Payments at Scale**

- **NOWPayments + Coinbase Commerce**, IPN/Webhook signature verification, retry queues (BullMQ/Redis).

- **Billing:** monthly/annual with HASH discount (e.g., 20%), invoices PDF.

3. **Mobile Apps (iOS/Android)**

- React Native, **WalletConnect v2** for mobile wallets, push notifications (FCM/APNs), deep links.

- **KPI:** 100k installs, 25k DAU.

4. **Referral & Ambassador**

- **On-chain/off-chain hybrid:** unique codes → pay in HASH; anti-fraud rules (device/IP heuristics).

- **KPI:** CAC <$3, viral K-factor > 0.25.

5. **Language Expansion (10+ locales)**

- i18n pipeline with crowd-review; multilingual moderation and prompt templates.

6. **Marketing System**

- Micro-influencers (<10k subs) package (scripts, B-roll, UTM).

- Paid: Twitter, YT, Insta; retargeting via site pixel.

- **North stars:** MAU 100k, subs 10k, MRR $30k–$50k.

Phase 3 — Ecosystem Expansion (Q3–Q4 2026)

Goal: platform → ecosystem.

1. **DAO Live**

- **Voting:** Snapshot (off-chain) + SafeSnap for on-chain exec, quorum 5–7% float, 72h vote window.

- **Treasury policy:** monthly report, spending caps, buyback/burn triggers.

2. **DeFi Dashboard**

- On-chain analytics (holders, TVL, volume), DEX routes, staking/LP positions, alerting.

- **KPI:** 20k monthly dashboard users; TVL > $5M across pools.

3. **Developer Platform**

- **APIs & Plugins:** REST/Websocket; rate limits + API keys; paid tiers in HASH; template bots (trading, research).

- Hackathons + grants (from treasury).

4. **Cross-Chain Expansion**

- Bridge to Ethereum/Arbitrum/Polygon using **LayerZero/CCIP** (risk-assessed), canonical token + lock/mint.

- **KPI:** 30% volume cross-chain, deep liquidity on at least 2 chains.

5. **Hash Brain AI Academy**

- Courses (DeFi, security, AI prompts), **NFT certificates**, educator rev-share.

- **KPI:** 10k learners; 30% convert to paid.

6. **Global Expo Circuit**

- Singapore, Europe, USA; partner booths with DeFi protocols and wallets.

Phase 4 — Mass Adoption & Global Impact (2027+)

Goal: become the Web3 AI standard.

1. **Tier-1 CEX Readiness**

- Compliance package (KYC of entity, audits, treasury governance), MM coverage, proof of reserves for treasury.

- **KPI:** 24h volume > $50M sustained.

2. **Scale to 10M+ Users**

- Infra: autoscaling API, vector DB (pgvector/Weaviate), CDN caching, background jobs for long tasks, GPU partners.

- **Quality:** p95 chat < 1.2s, 99.95% uptime, SOC-2 Type II.

3. **Enterprise Offering**

- SSO (SAML/OIDC), data residency, private connectors, SLAs, audit logs; pricing in fiat or HASH.

- Partners: fintechs, brokers, infra providers.

4. **Regulatory & Licensing**

- VASP/PSA where needed, marketing compliance (FCA/SEBI guidance), India VDA TDS handling for fiat ramps.

- Clear disclaimers: not financial advice; risk pages.

5. **Deflation Flywheel 2.0**

- Programmatic burn schedule from sub revenue; buyback when P/S < threshold; **public burn dashboard**.

- **KPI:** circulating supply declines YoY; treasury runway > 36 months.

6. **Metaverse/Agents**

- 3D AI avatars (voice + on-chain actions), integrations with Sandbox/Spatial; secure on-chain agent keys.

7. **Top-50 by Market Cap**

- Deep liquidity across chains, professional MM, institutional access (custodians), quarterly community letters.

Operating System (applies to all phases)

- **KPIs per month:** MAU, DAU/WAU, conversions, ARPU, churn, LTV/CAC, response latency, uptime, burn amounts, TVL.

- **Transparency:** live treasury, monthly burns, public roadmap board.

- **Security hygiene:** secrets manager, per-env keys, canary deployments, backups, incident runbooks.

- **Legal:** terms/privacy, IP policy, brand guidelines, bug-bounty policy.