Ankush Singh

Full-Stack Web3 Engineer • ankush4singh@gmail.com • Github • Linkedin • Twitter • Portfolio

Experience

Forward Research - Entrepreneur in Residence   2024 - 2025
- Launched production ready products including BetterIDEa, VisualAO, Subspace, WAuth & more.
- Shipped 5+ developer tools, used by 1K+ developers across the ecosystem.
- Tech Used: **React, NextJS, GraphQL, REST APIs, Cryptography**

Arweave India - Developer Relations Engineer
- Provided technical mentorship to **100+ developers**, helping teams ship on-chain projects.   2024 - 2025
- Co-organised **flagship events** & **4+ hackerhouses** to grow the Arweave community in India.
- Tech Used: **React, NextJS, ExpressJS, TailwindCSS, Hardware Engineering**

Physics Wallah - Software Engineer Intern (New Products Initiative Team)
- Built an interactive live-class system enabling faculty to create questions, parse real-time   2022-2023
  YouTube chat (10K+ messages), and show analytics.
- Used in high-scale live classes with 50K+ concurrent viewers, improving engagement and
  teaching workflow.
- Tech Used: **ElectronJS, Python, Flask, YouTube Data API, AWS, Linux Cloud Hosting**

Projects

TradeX - Pokemon card perpetuals trading platform - Read More
- Realtime pricing from TCGplayer & on demand oracle uploads
- Live and trading enabled on Solana Mainnet

MyPokemonScanner - Pokemon card scanner & identifier with live pricing data - Read More
- Implements **MobileClip-S2** for identifying over **40K+ pokemon card** images in EN & JP
- Can identify any pokemon card within seconds and give its latest pricing data from various sources.

pixels.earth - On-chain, real-time multiplayer pixel canvas mapped to the entire world - Read More
- Designed a shard-based territory system where users can unlock land, own regions, and monetize activity on their
  shards.

BetterIDEa - Tooling suite for Arweave/AO - Read More
- Used by 30K+ users; **acquired by Forward Research**.

AO Package Manager - Web3 Package Manager - Read More
- Serves 100+ Lua packages with 1K+ downloads.
- **Now a part of AO core infra**, enabling instant install/publish by builders.

DumDumDeploy - Deployments platform like Vercel - Read More
- Built the original platform; later evolved into Arlink, Arweave's flagship deployment tool.
- Arlink raised a seed round at a $2.5M valuation.

Skills & Interests

Frontend: React · Next.js · React Native · Expo · TypeScript · Tauri
Backend: Node.js · NestJS · Express · Hono · Bun · REST APIs · Rust · GraphQL · MongoDB · SQL · Firebase · Supabase
AIML: TF.js · OpenCV · Embedding Models (MobileClip, SigLIP, CLIP) · LLMs · PyTorch
Web3: Solidity · Ethereum · Rust · Solana · Arweave
Tools: Docker · AWS · Google Analytics · PostHog · Nginx · Linux · Git · Nix containers
Hardware: Raspberry Pi · Embedded Systems · Arduino
Interests: Hardware Projects · Physics Experiments · Musical Instruments · Retro game collector

Education

Bachelor of Engineering - Computer Science - Chandigarh University, India