

Ankush Singh

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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

2024 - 2025

- Provided technical mentorship to **100+ developers**, helping teams ship on-chain projects.
- 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)

2022-2023

- Built an interactive live-class system enabling faculty to create questions, parse real-time 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

[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.

[CommentKit](#) - a tiny, drop-in commenting system for static websites - [Read More](#)

[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