

ANKUSH SINGH

Software Engineer

WORK EXPERIENCE

Forward Research (Arweave) — *Entrepreneur In Residence*
2024 - 2025

- Building tools to improve the developer experience
- Working on products like WAuth, Subspace & BetterIDEa

Arweave India — *Community Manager*
2024 - Present

- Responsible for managing community events, offering developer support and promote the growth of Arweave Ecosystem in India

Physics Wallah — *Software Developer Intern*
2022 - 2023

Techstack: **Javascript, Typescript, Flask, ElectronJS, Tauri, REST APIs, React, NextJS**

- Developed and implemented the backend infrastructure for PW's YouTube livestream polls application by leveraging Python, Flask and Youtube data APIs.

EDUCATION

Chandigarh University, Punjab — *B.E. CSE with specialization in Blockchain Technology* - 2022 - 2026

St. Thomas' Church School, Howrah, West Bengal— 2010 - 2022

PROJECTS

WAuth — [Github](#) | [Demo](#)

Social authentication solution for Arweave wallets

Techstack: **Pocketbase, Hono, Bun, NPM, Cryptography**

Subspace — [Github](#) | [Demo](#)

Fully decentralised communications platform on AO, similar to Discord

Techstack: **LUA, Arweave AO, React+Vite, Hyperbeam**

AO Package Manager — [Github](#) | [Deployment](#)

Released a package manager for the Arweave AO ecosystem, to allow developers to publish code utilities on a decentralized registry

Techstack: **LUA, Arweave AO, NextJS, SQLite3**

Clickoor: Blockchain enabled retro camera — [Github](#) | [Tweet](#)

Built a point and shoot camera which uploads your photos on chain for permanently storing your precious memories

Techstack: **Raspberry Pi, Arweave Protocol, Python, Electronics**

BetterIDEa: IDE for Arweave Blockchain Dev — [Deployment](#) | [Github](#)

Engineered a user centric, web based IDE, empowering developers to effortlessly create and deploy Arweave smart contracts. **First prize winner** in Arweave India Hackerhouse

Techstack: **React, Vite, Tailwind CSS, ArweaveKit, Github Pages**

Portfolio - [ankush.one](#)
[ankush4singh@gmail.com](#)
[linkedin.com/in/ankushKun](#)
[github.com/ankushKun](#)

SKILLS

Full Stack Development

ReactJS, NextJS, Svelte, Vite, React Native, Tailwind CSS, Flask, ExpressJS, Firebase DB, SQL, REST APIs, Pocketbase

Blockchain Development

Arweave, AO, Solidity, Remix, wagmi, web3modal, Lua

Game Development

Unity Engine, C#, Godot Engine, Blender

Dev Tools and ecosystem

Linux CLI, Git & Github, Bash Scripting, Vercel, AWS

Electronics

Arduino, Embedded Programming, IoT, Raspberry Pi

Languages

Javascript, Typescript, Rust, Python, C#, Java, C++, Lua

AWARDS & ACHIEVEMENTS

Software Lead in NASA Cansat 2024

Worked on Ground Control, Microcontroller programming and Control Systems

Winner in Arweave India cohort #1 hackerhouse, 2023

Shortlisted in **top 30** devs for Arweaves first hackerhouse at Bangalore, India.

Second Position, Hack-O-Octo hackathon, Chandigarh University, 2023

Role: **Team Lead, Full Stack Dev**
Developed a blockchain based platform to support open source contributors through bounties

First Position, GCON Vegathon, IIT Guwahati, 2023

Role: **Microcontroller programming and interfacing with a computer**
Developed an indigenous Flight Controller using the VEGA microcontroller board