ANKUSH SINGH

Software Engineer

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WORK EXPERIENCE

Arweave India — *Community Manager / Developer*
May 2024 - Present
- Responsible for managing community events, offering developer support and promote the growth of Arweave Ecosystem in India
- Mentor for ArweaveIndia hackerhouse 2.0

Physics Wallah — *Software Developer Intern*
November 2022 - July 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
Sophomore, 7.76 CGPA

St. Thomas' Church School, Howrah, West Bengal– 2010 - 2022
86% in 10th | 81% in 12th

PROJECTS

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, LSQLite3**

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**

Class Compass — Play Store | Github
Utility application to find vacant classrooms on campus for recreational and productive activities and educational sessions.
Techstack: **React Native, Firebase DB, Google Play Console**

Desonity SDK — Github
Developed an extension for Unity game engine to interact with the DeSo Blockchain from within video games..
Techstack: **Unity Engine, C#, Web APIs, DeSo Blockchain**

SKILLS

Full Stack Development
ReactJS, NextJS, Svelte, Vite, React Native, Tailwind CSS, Flask, ExpressJS, FIrebase DB, SQL, REST APIs

Blockchain Development
Arweave, AO, Solidity, Remix IDE, wagmi, web3modal

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++

AWARDS & ACHIEVEMENTS

Software Lead in NASA Cansat 2024
Worked on Ground Control, Microcontroller programming and Control Systems

Grand prize 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