

# Ashpreet Singh Anand

Delhi, India

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## Work Experience

### Maven Foundation

Remote

FULLSTACK BLOCKCHAIN DEVELOPER INTERN (CORE TEAM MEMBER)

Sept 2023- Current

- Developed "Queue Protocol" from scratch which is a ticketing platform and debug code issues of "Maven-House" platform.
- Developed internal dashboard frontend in **NextJs** Framework with **Tailwind CSS** created many components and added functionality to Queue Protocol.
- Designed database architecture and worked on **MySQL** database used **Prisma** for **ORM** also worked on backend Api's.
- Worked on **ERC6551** Token bound accounts, **NFT** based ticketing and **Proof of Attendance** based ticket ticketing.
- Worked on user authentication, wallet connection using **Rainbow-Kit** and Queue IDs.

### Web3Verse Academy

Remote

SOFTWARE ENGINEER, RESEACH INTERN (CORE TEAM MEMBER)

March 2023- Aug 2023

- Developed web3 education website including "tryweb3.tools" and "web3verse.academy" providing users with a hands-on platform to explore and learn web3 tools through practical labs
- Build video streaming using **HLS** (Http Live Streaming) and with interactive transcript with **Hyper-Audio Lite** for interactive user experience
- Build login and signup authentication by **Firebase** for user authentication and for saving of user data and **SWR** for fetching for data and **Browser Local Storage** for User Authentication on **Django**
- Develop smart contracts for **Ethereum**, **Solana** and **Polygon** Blockchains in **Solidity**, **Vyper** and **Rust**.
- Develop frontend applications in **Next**, **React** and integrate with Smart Contracts with **Ethers**, and web3 library and added support for crypto wallets with **rainbow kit**.

## Projects

### FormBuilder – Google Form Enhanced

Next.js, TypeScript

[WEBSITE](#) | [GITHUB](#) | [VIDEO](#)

- Created a Form Building application using **NextJs13**, **TypeScript**, **Shadcn-ui** and **Prisma** for **ORM** where user can create a form, save a form or publish to share the form.
- Added interactive way of creating custom forms where user has to **Drag** and **Drop** the element which they need in their form
- User can see Total Visits, Total Submissions, Submission Rate and Bounce Rate of all form and of each form they created.
- Used **Clerk** for user authentication and **PostgreSQL** for saving of user data and **SWR** for fetching for data.

### LotteryDapp – Lottery Dapp

Solidity, Next.js

[WEBSITE](#) | [GITHUB](#) | [VIDEO](#)

- Created a Lottery Dapp using **Solidity**, **Hardhat**, **JavaScript**, **Tailwind CSS** and **NextJs** framework.
- Multiple User can enter in a lottery and the owner can pick a winner randomly.

## Achievements

Tezos Builder Camp | [LINK](#)

- Among Overall Toppers ([LINK](#))
- Build Dapps and created smart contracts on **Tezos** and worked on **Smartpy** and **Taquito** libraries ([LINK](#))

Leetcode | [LINK](#)

- Solved 150+ questions.

## Technical Skills

**Programming Languages** C++, Javascript, Solidity, TypeScript, Python

**Libraries/Frameworks** NextJs13, Node.js, Express, ReactJs, Prisma, Hardhat, Web3Js, Ethers, Rainbow-Kit, Django, Flask, Tailwind CSS

**Database** MongoDB, Firebase, PostgreSQL, MySQL, Redis

## Education

**Bhartiya Vidyapeeth's College of Engineering New Delhi**

Delhi, India

BTech in Information Technology

2019 -2023

**Guru Harkrishan Public School Vasant Vihar New Delhi**

Delhi, India

Schooling

2019 - Passout