

# 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 the "Queue Protocol" from scratch, which is a ticketing platform and debugged code issues of the "Maven-House" platform.
- Created an internal dashboard in the **Next.js** framework with **Tailwind CSS** and developed many components and added functionality to the queue protocol.
- Designed the database architecture and worked on the **MySQL** database using **Prisma** for **ORM**, also worked on backend API's.
- Worked on **ERC6551** token bound accounts, **NFT**-based ticketing and **Proof of Attendance**-based ticketing.
- Worked on user authentication, wallet connection using **Rainbow-Kit** and queue ids.

### Web3Verse Academy

Remote

SOFTWARE ENGINEER, RESEARCH INTERN (CORE TEAM MEMBER)

March 2023- Aug 2023

- Developed a 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.
- Built video streaming using **HLS (HTTP Live Streaming)** and an interactive transcript with **Hyper-Audio Lite** for an interactive user experience.
- Build login and signup authentication with **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.js**, **React**, and integrate with Smart Contracts with **Ethers** and the **web3** library, and added support for crypto wallets with the **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, save or publish forms to share.
- Added interactive way of creating custom forms where users have to **Drag** and **Drop** the elements which they need in their form.
- Users can see Total Visits, Total Submissions, Submission Rate and Bounce Rate of all forms and of each form they created.
- Used **Clerk** for user authentication and **PostgreSQL** for saving of user data and **SWR** for data fetching.

### LotteryDapp – Lottery Dapp

Solidity, Next.js

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

- Created a Lottery Dapp using **Solidity**, **Hardhat**, **JavaScript**, **Tailwind CSS** and the **Next.js** framework.
- Multiple users can enter 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** Next.js, Node.js, Express, ReactJs, Prisma, Hardhat, Web3Js, Ethers, Rainbow-Kit, Django, Flask, Tailwind CSS

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

## Education

**Bharati 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 Pass out