


# CHIRAG AGARWAL

+91 8777859648 |  |  |  | [GitHub](#) | [Medium](#)

## EDUCATION

**BITS Pilani, Goa** | B.E. (Hons.), Electrical and Electronics Engineering  
AUGUST 2019 - MAY 2023

## EXPERIENCE

**Pay3**  | Blockchain Developer Intern  
FEB 2022 - PRESENT

- Researched various crypto exchanges & structured the execution of on-ramp & off-ramp payment systems.
- Created, tested and deployed smart contracts for batch payments on Ethereum.
- Built smart contracts that directly interacted with the Uniswap Router contract to swap tokens and send them to an address.
- Worked on building a multi-wallet connect modal library, which the client can import to add multi-wallet connectivity with Metamask, Coinbase, Web3Auth, and WalletConnect to their applications.

**Yushu Excellence Technologies Pvt. Ltd** | Blockchain Developer Intern  
AUG 2022 - OCT 2022


- Worked on implementing a UniswapV2 fork on Layer1 called Cube Network.
- Explored & developed smart contracts involving Uniswap's Core & Router contracts. Integrated swap and liquidity feature to the frontend of the protocol using React and Ethers.js.
- Created a detailed explainer on Fractional NFTs.

**Kubera Capital** | Web3 Research Analyst Intern  
NOV 2021 - FEB 2022





- Explored the financial side of the Web3 space and gained an understanding of various DeFi protocols.
- Researched a few projects on Polkadot & Kusama.

## ACHIEVEMENTS

**Winner at ETHforAll Hackathon** 

Built a project called Box Protocol  which has been awarded the BEST PROJECT prize by Chainlink Labs at the ETHforAll Hackathon organised by Devfolio & ETHIndia! Box Protocol is a platform for buying and selling tokenized crypto portfolios. It is an easy, self-custodial way to invest in boxes representing the hottest ideas and sectors in Web3!

## PROJECTS

1. Worked on creating a project called Polygon Pay similar to Solana Pay. Explored EIP 681 for creating payment URLs which can be encoded into QR codes and can be scanned by the wallets to make transactions. To verify the transaction at POS I used Covalent API to poll the transactions and check for status.
2. Created a generative NFT collection of 241 NFTs on Polygon which is live at <https://mrgadget.netlify.app/> . Used IPFS to host the metadata.
3. Written articles on 'Ethernaut Lvl 27 Walkthrough: Custom Errors in Solidity.' , "Bitcoin and Ethereum: Underlying Technology and its Applications"  and "An Explainer on Decentralized Storage." 
4. Built an NFT project for warranty cards which will decay automatically after a certain expiry time and can also be soulbound.

## TEST SCORES

JEE MAINS: 98.8 (percentile)  
BITSAT: 316  
X (ICSE): 90%  
XII (CBSE): 85%

## SKILLS

### Programming

- Javascript, C++, Python
- Solidity, Hardhat, Ethers.js
- MongoDB
- Express.js
- React.js, Next.js
- Node.js
- HTML, CSS
- ERC20, ERC721, ERC1155
- RemixIDE, Metamask
- OpenZeppelin, Chainlink Oracles

### Software Experience

- Adobe Photoshop
- Adobe Lightroom
- VS Code

## POSITION OF RESPONSIBILITY


### Head of Photography

The Department of Photography,  
BITS Pilani Goa  
JUL 2021 - JUN 2022


- Managed an inventory of worth 15 lakh.
- Trained a team of around 120 photographers.
- Organized a photography contest with more than 900+ entries.

## THESIS

### Integration of IoT & Blockchain

  
BITS Pilani  
JUL 2022 - DEC 2022

## INTERESTS

- Traveling, Photography 
- Cricket, F1, Simulator Racing
- Graphic Designing