

# CHIRAG AGARWAL

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


## EDUCATION

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

## EXPERIENCE

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

- Documented the entire end-to-end structure & work of the launchpad project.
- Managed a project to build an ERC20 token launchpad with staking.
- Created a detailed explainer on Fractional NFTs.

**Base Protocol**  | Freelance Blockchain Developer  
JUL 2022 - AUG 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.





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

- Researched various crypto exchanges & structured the execution of on-ramp & off-ramp payment systems.
- Created and deployed smart contracts for batch payments on Ethereum & Polygon.
- 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, Bitcoin, and WalletConnect to their applications.

**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.
- Tracked DeFi protocols to understand how we can use them to generate yield.
- Researched on a few projects on Polkadot & Kusama.

## PROJECTS

1. Built a payment system on Polygon for merchants where users can pay MATIC to the merchant by scanning a QR code. The payment transaction is instantly verified at the merchant's end.
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. (Full-stack project)
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 time and can also be soulbound. (Full-stack project)

## 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 2021 - PRESENT

## INTERESTS

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