CHIRAG AGARWAL

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EDUCATION

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

EXPERIENCE

Pay3 🔗 | Blockchain Developer
JAN 2023 - PRESENT

- Worked on creating an SDK for onboarding Web2 users to Web3 using social and Web3 login options. Clients can add multi-wallet connectivity with Metamask, Coinbase, Web3Auth, and WalletConnect to their applications.
- Build a checkout flow for NFTs and ERC20/ERC1155 tokens for in-game buying & selling.
- Built smart contracts that directly interacted with the Uniswap Router contract to swap tokens and send them to an address.
- Created, tested and deployed smart contracts for batch payments on Ethereum & Polygon.

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.

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. Built CommuneIn at ETHIndia 2023. It enables users to verify their citizenship with Aadhar using zk-proofs and register a passkey for further verification. It is an exclusive community platform targeted for Indians into the world of Web3 opportunities. 🔗
2. Created 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.
3. Created a generative NFT collection of 241 NFTs on Polygon which is live at https://mrgadget.netlify.app/ 🔗 . Used IPFS to host the metadata.
4. Built an NFT project for warranty cards which will decay automatically after a certain expiry time and can also be soulbound.
5. Written article on 'Ethernaut Lvl 27 Walkthrough: Custom Errors in Solidity.' 🔗

TEST SCORES

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

SKILLS

Programming
- Javascript, C++, Python
- Solidity, Hardhat, Ethers.js
- **M**ongoDb
- **E**xpress.js
- **R**eact.js, Next.js
- **N**ode.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