Debayudh Basu

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SUMMARY

I am a Web2 and Web3 developer with a passion for creating both traditional and decentralized applications. My expertise includes building user-friendly web interfaces using technologies like Next.js and React.js, as well as integrating blockchain solutions with Solidity, ethers.js, and web3.js. I've worked on projects such as NFT marketplaces, decentralized voting systems, and financial management platforms, where I leverage smart contracts and blockchain for secure and transparent functionality.

In addition to my development skills, I am a cybersecurity enthusiast. I prioritize data security and follow best practices for authentication, encryption, and privacy across my projects. Whether it's handling sensitive user information or building secure decentralized ecosystems, I am committed to combining my technical skills with a focus on security to deliver efficient and trustworthy solutions.

EXPERIENCE

Web and Web3 Associate

GDG on Campus RCCIIT   **October 2024 -October 2024, RCC INSTITUTE OF INFORMATION TECHNOLOGY**

· Selected as a Web and Web3 Associate for Google Developer Group (GDG) on campus (RCCIIT).
· Engaged in community discussions and stayed updated with the latest Web3 technologies and trends.
· Collaborated with peers and mentors in planning potential events focused on Web and Web3 development.
· Participated in knowledge-sharing sessions and contributed to GDG's learning ecosystem.
· Assisted in initial preparation for community-driven activities and workshops.

Backend Developer Intern

Logiclens Solution Limited   **August 2024 -October 2024, India**

· Developed and maintained the backend of an AI-powered CCTV system for real-time surveillance and threat detection.
· Implemented APIs to process and analyze video feeds from multiple cameras for person detection, gender classification, and gesture recognition.

PROJECTS

VOTING SYSTEM

github.com/debayudh07/votingsystem · October 2024 -October 2024
· Developed a decentralized voting system using Next.js for the frontend and Solidity smart contracts for the backend.
· Deployed and interacted with smart contracts on the Ethereum blockchain to handle voting logic, including voter registration, candidate management, and vote casting.
· Integrated libraries like ethers.js and web3.js to facilitate seamless communication between the frontend and the blockchain.
· Ensured secure, transparent voting processes by leveraging blockchain immutability and smart contract logic.
· Implemented wallet integration using MetaMask for user authentication and transaction signing.

NF2Z

github.com/debayudh07/NF2Z · October 2024 -October 2024
· Built a decentralized NFT marketplace using Next.js for the frontend and Solidity smart contracts for managing NFT creation, listing, and transactions on the blockchain.
· Designed and deployed smart contracts for minting, buying, selling, and transferring NFTs securely on the Ethereum network.
· Integrated ethers.js and web3.js libraries to connect the frontend with the blockchain, enabling seamless interaction with smart contracts.
· Implemented wallet integration using MetaMask for user authentication, asset management, and transaction execution.
· Ensured a smooth user experience by enabling real-time updates for NFT listings, ownership, and transaction statuses.

Medilink

CTRL+H · github.com/debayudh07/medilink · October 2024 -October 2024
· Developed the frontend of a medical application using Next.js, ensuring a responsive and user-friendly interface.
· Implemented dynamic routing and state management to handle patient profiles, appointment bookings, and medical records.
· Integrated with backend APIs to fetch real-time data for doctors, appointments, and prescriptions.
· Optimized the application for performance and accessibility, enhancing the user experience for both patients and healthcare providers.
· Ensured secure handling of sensitive medical information with proper authentication and data protection practices

AIAX

Wushang Clan · github.com/debayudh07/hack · September 2024 - September 2024
· Developed a financial management platform using Next.js and MongoDB to track and manage user budgets and transactions.

· Integrated ethers.js to enable secure cryptocurrency transactions, including Ethereum-based payments and transfers.
· Utilized CoinGecko API for real-time crypto price data and Gemini API for crypto exchange rates and market insights.
· Implemented an AI-powered recommendation system to provide personalized financial assistance based on users' spending patterns and investment goals.
· Enabled users to manage both fiat and crypto assets with comprehensive insights and automated recommendations for better financial decision-making.

Paws

Innovate Ninjas · github.com/Innovateninjas/Paws-frontend · February 2024 - April 2024
· Designed and developed the frontend of an NGO-based animal rescue web app using React.js for a seamless user experience.
· Created intuitive interfaces for animal listings, rescue request forms, and volunteer signups.
· Integrated with backend APIs to display real-time data on rescued animals and ongoing rescue operations.
· Optimized the app for mobile responsiveness and ensured smooth navigation across various user flows.
· Focused on accessibility and user-friendly design to cater to both volunteers and pet adopters.

EDUCATION

B.tech
RCC INSTITUTE OF INFORMATION TECHNOLOGY · Beliaghatia, Kolkata · 2027

ISC
St.Stephen's School · 11, Rishi Bankim Chandra Road · 2023 · 84.5%

ICSE
St. Stephen's School · 11, Rishi Bankim Chandra Road · 2021 · 87%

SKILLS

Frontend : HTML , CSS , Javascript , React.js , Next.js
App developement : Flutter
Backend : Flask , Express.js , Django
DBMS : Mongodb , POSTgreSQL
Smart Contract Developement : Solidity