Somesh Banerjee

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LinkedIn

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PROFESSIONAL SUMMARY

Programmer, Decentralized app Developer, and Cybersecurity Enthusiast. Took part in several CTFs and Hackathons to develop my skills. Currently SDE Intern at Squirrelverse. Worked on several research projects on the application of Blockchain. Well acquainted with several online applications to work collaboratively with remote partners.

EDUCATION AND CERTIFICATIONS

Bachelor of Technology, *Electronics and Communication Engineering*, IIIT Naya-Raipur | Expected Graduation July 2023 | CGPA: 9.07

High School, *Computer Science Maths Physics Chemistry English,* Army Public School Barrackpore | 2019 | Percentage: 94.2%

Certifications:
- *Smart Contracts***,** Coursera, Completed on February 2022
- *Algorithmic Toolbox,* Coursera, Completed on September 2020
- *Operating Systems and You: Becoming a Power User***,** Coursera, Completed on July 2020
- *Blockchain Basics***,** Coursera, Completed on August 2020
- *The Bits and Bytes of Computer Networking,* Coursera, Completed on June 2020
- *Using Python to Interact with the Operating System,* Coursera, Completed on July 2020

EXPERIENCE

Blockchain Developer Intern, SquirrelVerse | February 2022 - Present
- Development and deployment of Solidity smart contracts in Ethereum and Polygon network.
- Implemented interface interaction with blockchain network using web3 library.

Core member and Vice Secretary, Ciphercell (Infosec Club of IIIT-NR)| Aug 2020 – May 2022
- Organized sessions, activities on Information security, and the Capture the Flag event.
- Explained different attack vectors.

PROJECTS

Metaverse Market, Personal Project | Solidity, Javascript, Nextjs, Ethers, IPFS
- Build an NFT Marketplace for ERC721 NFTs on the Polygon blockchain using Smart Contract and nextjs.
- The metadata and Image are stored in IPFS.
- Users can create Digital assets and list them for sale, which buyers can buy with Cryptocurrency.

Map Points, Personal Project | MERN Stack
- Build a platform to store user reviews of a particular spot. The reviews are stored in MongoDB.
- User Authentication is implemented using MongoDB.
- The backend is implemented using NodeJS and Express, and the frontend uses ReactJS.

Hospital-Records-Blockchain, Hackathon Project | Solidity, Javascript, Reactjs, Web3js, IPFS
- Build a decentralized App on the Ethereum blockchain using Smart Contract which helps in storing patient records in IPFS and can be easily accessible to the hospital.
- Developed the Smart Contract using Solidity and Front-end using Reactjs.
- Won the Filecoin Track award for this project.

Crwd-Src, Personal Project | Solidity, Javascript, Reactjs, Web3js, Nextjs.
- Build a decentralized App on the Ethereum blockchain using Smart Contract to collect funds in ether for various campaigns.
- Developed the Smart Contract using Solidity and Front-end using Reactjs and NextJS.

SKILLS

Programming	Blockchain	NextJS
Cpp	Linux	Machine-Learning
Python	Ethereum	MongoDB
Git/Github	ReactJS	Express JS
Team Collaboration	NodeJS	HTML and CSS

Languages: English, Hindi, Bengali

PUBLICATIONS

- **"Blockchain and IPFS-based reliable land registry system"**, Security and Privacy,p- e236, 2022
- **"SafeEngine: Fault Detection With Severity Prediction for Diesel Engine",** accepted in IEEE R10-HTC

EXTRA

- Winner of Filecoin track in HackForTomorrow 2021 Hackathon.
- Won a Ledger Nano S Hardware Wallet in the Tezasia hackathon.
- Top 4% in TryHackMe and HackTheBox Global Rank 459 till July 2022.
- Was a participant in the Google Cloud Ready Facilitator Program and completed 3 milestones
- **Organizer and Video Editor**, Scintfic-2k20 | 2020 Scintfic-2k20 is a Science Exhibition for school students.
- Took part in chess, and e-gaming competition