SHRIKAR SWAROOP

BANGALORE, KARNATAKA

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Education

R.V. College of Engineering   **2020 - 2024**
B.E in Computer Science and Engineering (CGPA : 9.73)   *Karnataka, India*

The Oxford Independent PU College   **2020**
(90.67%, JEE Mains : 99.36%ile, KCET : 244/1,94,419)   *Karnataka, India*

Technical Skills

Languages: C, C++, Python, Java, JavaScript, Kotlin, ECL, Solidity
Frameworks: ReactJS, NodeJS, Android, Git, Ethereum, HyperLedger, Tensorflow-Keras
Database: MySQL, MongoDB, Firebase
Devops: Docker, Kubernetes

Experience

Dimension64   **Dec 2022 - Present**
Technical Intern | MERN, Web3.js, Hyperledger, Docker   *Bangalore, India*

- Developed a MERN application to demonstrate Supply Chain Optimization by leveraging Blockchain. Used web3.js to integrate the application to the Ethereum chain.
- Developed efficient scripts to fetch real time data from the blockchain and serve the data to schedulers. Optimized code to reduce time needed for interactions with the blockchain.
- Developing applications on the HyperLedger Fabric.

Bharat Heavy Electronics Limited (BHEL)   **April 2023 - June 2023**
Intern | React.js, Express.js, PostgreSQL   *Bangalore, India*

- Developed an inventory management system to help keep track of components dispatched by BHEL.
- Implemented database wide search and modification features.

Projects

Unspoken - Online meets for the specially abled | *WebRTC, Tensorflow, HTML, CSS, JavaScript*
- An online meet application integrated with AI to facilitate online meets between deaf and dumb people without the need for translators.
- Implemented real time audio and video communication by using WebRTC and Socket.IO
- Employed key-frame detection and LSTM to develop a machine learning model that can detect Indian Sign Language gestures in real time from video frames and translate gestures to English keywords and sentences.

Smart Outlet Panel | *Android, Kotlin, FireBase* | Link
- An android application that controls power outlet panels by sending messages to Raspberry Pi and Arduino via FireBase. The app also provides realtime usage statistics for each power socket.

State Table Reducer | *React JS, Next JS* | Link
- A React application to generate implication tables and reduce state tables, thus optimizing circuits.
- A user can enter the state table of any Mealy machine and the application will reduce states and print the reduced state table.

Achievements

- Winner of SentinalHack3.0 (state level hackathon). Developed LiFi authentication.
- Winner of HPCC Systems Connections Homes Hackathon hosted by HPCC-LexisNexis. Link
- Finished second in intra-college blockchain hackathon. Developed a mechanism to authenticate NFTs.
- Knight on Leetcode - Profile