

# Suraj Jha

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## EDUCATION

**BTech. Information Technology and Engineering with Honors in Blockchain**  
PIMPRI CHINCHWAD COLLEGE OF ENGINEERING | CUM. GPA: 9.31/10

Pune, IN | Jun 2024

## WORK EXPERIENCE

### CODECHEF | EDUCATOR

Bangalore, India | Jan 2022 – present

- Helped **1000s** of participants by creating **100+** video editorials for the problems appeared in CodeChef's competitive programming contests.

### CLOUDBLOQ | SOFTWARE ENGINEER INTERN

Bangalore, India | Feb 2022 - Apr 2022

- Enhanced User Authentication Flow, Implemented Analytic Viewer.
- Fixed various bugs in many business critical features. Primarily used **NodeJs, ReactJs, SCSS, Redux-Saga**.

### MYTHVIEW | FREELANCE BACKEND ENGINEER

Mumbai, India | Jun 2021 – Dec 2021

- Implemented User Authentication System, Multi-Account (Personal & Community), Likes and infinitely nested comment on users post, News-Feed generation from followed accounts.
- Worked with **NodeJS, ExpressJS, Cloud Firestore, GraphQL, Cloud Storage, Stoplight Studio**

## PROJECTS

### CERTIFIER DAPP - ETHEREUM BLOCKCHAIN

[github.com/aachal01/certifier-dapp](https://github.com/aachal01/certifier-dapp)

- Built Ethereum Blockchain based Dapp with features - Signin with Ethereum Wallet (MetaMask), Issue New Certificate, Update Issued Certificates, Verify Issued Certificates, Track Change history of Issued Certificates
- Technology used **Ethers.js, Truffle, Solidity, Ganache, React.js, React Router**.

### ANORCLE NOTES

[notes.anorcle.com](https://notes.anorcle.com)

- Created UI&UX, **Database Modeling**, REST API, Single Page Web App, Custom Routing, **Client Side Cryptography**, Local Backup in **IndexedDB**. Achieved **100% Light House Performance Score**.

### SUDOKU GAME

[jhasuraj.com/sudoku](https://jhasuraj.com/sudoku) | [github.com/jhasuraj01/sudoku](https://github.com/jhasuraj01/sudoku)

- Applied Concept of **Randomized Backtracking** to generate unique sudoku.
- Worked on React **State Management**, Multiple Theme, Responsive UI and Developed in **TypeScript, React.js, Redux, SCSS**

### DSA - NPM PACKAGE

[npmjs.com/package/@anorcle/dsa](https://npmjs.com/package/@anorcle/dsa) | [github.com/anorcle/dsa](https://github.com/anorcle/dsa) | [anorcle.github.io/dsa](https://anorcle.github.io/dsa)

- Applied **OOP** and **DSA** to implement generalized **STL Containers** for Web Based Project in **TypeScript** and published on **NPM**.
- Automated **Unit Testing** with **GitHub Workflow & Jest** achieving **96.74%** Lines & **95.97%** Statements **Coverage Report**.

## ACHIEVEMENTS

- Competitive Programming: 4 Star** on CodeChef (Max Rating: **1938**) and **Pupil** on Codeforces (Max Rating: **1275**)
- Data Structures and Algorithms:** Solved **500+** Problems on various platforms like Leetcode, CodeChef, GeeksForGeeks
- Finalist, IICC - Innovate India Coding Championship by **AICTE, Chandigarh University** and **Coding Ninjas**. Rank: **66/100k**

## SKILLS

**Languages:** C++, Python, TypeScript, JavaScript, Java, Solidity

**Databases:** DynamoDB, Firestore, MySQL, MongoDB

**Tech Stack:** Ethereum Blockchain, Git, AWS, GCP, ReactJS, NextJS, Lit

## EXTRACURRICULAR

**MOOC:** Algorithms on Graphs, Data Structures, Algorithmic Toolbox, Google Cloud Training, AWS Cloud Practitioner Essentials

**Research Papers:** Ambient Lighting, Autonomous Light

**Open Source:** Desgen, Feminist Bible, Girsript Community Website, ML Glossary