

Sambhav Saxena

Portfolio: [interpreted.vercel.app](#)

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EDUCATION

- **Deenbandhu Chhotu Ram University of Science and Technology** Sonipat, India
Bachelor of Technology - Computer Science and Engineering; GPA: 8.24 *October 2020 - September 2024*
- **St. Thomas Sr. Sec. School** Faridabad, India
Senior Secondary; Percentage: 88.2 *April 2018 - March 2020*

SKILLS SUMMARY

- **Languages:** JavaScript, TypeScript, C/C++, Golang, Java, Python
- **Frameworks:** NodeJS, Express, Apollo, GraphQL, React + Native, Flask, Jest
- **Tools:** Git/Github/Gitlab, Shell, Docker, NGINX, S3/EC2, Atlas, Postman
- **Platforms:** Linux(Arch based) with XFCE, Ubuntu, Visual Studio, AWS, Github Workflow
- **Soft Skills:** Leadership, Project Management, Public Speaking, Time Management

EXPERIENCE

- **Software Engineer Intern - EarthOnly** Remote
- backend services *November 2022 - December 2022*
 - **Password-less authentication system:** Developed a secure password-less authentication architecture in NodeJS, built on top of cookie based session management implementation with unit testing in JEST, and modulated code structure.
 - **API key creation service:** Created a service to generate API keys based on Access Control Lists providing access of resources to users given by a super user delegating a sub-set of their rights, implemented [here](#).
- **Full Stack Developer - IIC DCRUST** On Site
- repository maintainer *May 2022 - Present*
 - **Implemented delivery of static assets through CDN:** Most of the assets were statically added to the website. With the help of CDN, I reduced the loading time by around 6 - 8 seconds, as evident [here](#), delivering clean modulated code.
 - **Other changes:** Modified the card designs and layout of the website's pages so that it looks even more attractive.

PROJECTS

- **Open IDE:** Online code editor designed in Node-Express-React stack, that compiles / interprets and execute programs in 4 languages, consumes VPS cloud resources for computation, standard IO integrated directly from the user console. [LINK](#)
- **Redirector:** A custom load balancer in Golang, distributes server requests on the basis of Round Robin algorithm, preventing network congestion. Allows incoming requests to be redirected through multiple proxy servers in case of outage. [LINK](#)
- **Secret Shed:** MERN stack application to publish anonymous blogs, dedicated search field for fetching articles from MongoDB, uses markdown in order to eliminate storage issues, and scales well due to deployment over NGINX web servers. [LINK](#)
- **Scriptag:** An NPM package published to the official repository that can be installed with a single command, provides user with a minimal, responsive portfolio, pre-loaded with themes and UI libraries. Stack: ReactJS, Tailwind, Bootstrap. [LINK](#)

ACHIEVEMENTS AND HONORS

- Solved over 500 problems on multiple platforms including Leetcode, Hackerrank and Atcoder. [PROFILE](#)
- 3 star on Codechef (highest: 1617), global rank 15 in Starters-83, 29th March, 2023. Profile: [PROFILE](#)
- Secured a global rank of 5370 in Google Kickstart (Round F), max rating of 1074 on Codeforces. [CERTIFICATE](#)
- Created a face recognition app using python as a part of AI-for-India event by IIT Madras. [CERTIFICATE](#)
- Runners up in SIH (stage 2), 2022, created an app to predict the future growth rates of a country. [CERTIFICATE](#)

CERTIFICATIONS AND OTHER EXPERIENCES

- **Open source contributions:** Contributed to [AsyncAPI](#), an open source initiative by Linux Foundations, [Layer5.io](#), [Alan AI](#), and several other projects, reporting and fixing issues like [#478](#) and opening PRs that fixed valid reported bugs in the rest.
- **Founder of DCRUSTODC:** Actively leading a team of 12 members building up a community (which has over 600 participants) for students who are interested in collaboration to develop cutting edge technologies. [Website](#) — [Github](#)
- **Certification in System Design:** Building a technical stack by getting architectural insights into products like Redis, Cassandra, Nginx, Kafka, Amazon S3, deployment of large scale production systems using tools like Docker. [CERTIFICATE](#)