

# Adrij Shikhar

## Personal Info

### Email

adrijshikhar85@gmail.com

### Phone

+918218058928

### Github

<https://github.com/adrijshikhar>

### LinkedIn

<https://www.linkedin.com/in/adrij-shikhar/>

### Website

<https://adrijshikhar.github.io/>

## Skills

JavaScript, TypeScript, GraphQL, GoLang, C++, Python, Java, Bash, SQL, Lua, Dart, PHP, Git, HTML/CSS, Sass

## Software

ReactJS, Redux, ExpressJS, NodeJS, Docker, Kubernetes Gulp, Grunt, Deno, Flutter, jQuery

MySQL, Laravel, MongoDB, Postman, MongoDB Compass, Github, VSCode

## Awards

Dec 2020

**3rd Place - CSAW Embedded Security Challenge 2020 - Global**

Dec 2020

**1st Place - CSAW Embedded Security Challenge 2020 - National**

## Certificates

Jan 2021

**GCP Cloud Architect**

## Education

### Chemical, B. Tech.

*Indian Institute of Technology, Roorkee*

July 2018 - July 2022

## Work History

### Software Development Intern

Sep 2021 - Oct 2021

*Hevo Data, Bangalore*

- Added support for 'wal2json' output plugin for postgres logical replication.
- Reduced WAL processing time taken by the platform, by **60%**.
- Implemented dynamic plugin selection using Guice dependency injection.
- Ensured stability by benchmarks and unit tests. Tech Stack: Java

### Software Development Intern

Jun 2021 - Aug 2021

*MTX Global, Hyderabad*

- Worked on curating ETL data pipeline from concept to proof of concept.
- Implemented on-demand data transformations using Apache Spark, and streaming the same using Apache Kafka onto Google Cloud Platform.
- Containerized individual components of the pipeline for better development and deployment. Solely configured and maintained pipeline on Google K8s Engine.
- Orchestrated data visualization service to configure overlayed charts.

### Full Stack Developer Intern

Apr 2021 - May 2021

*Triomics, Gurgaon*

- Collaborated with the core founding team on the initial stages of the platform.
- Setup infrastructure for the applications, keeping scalability and security into account.
- Developed management dashboard service for micro and macro level user access across the apps.
- Customized D3 for visualization of data, fitting our use case.

### SDE Intern

Oct 2020 - Mar 2021

*Rephrase.ai, Bangalore*

- Ensured stability of the product by integrating tests and error handling.
- Optimized uploading and validating data from user's end.
- Implemented Stripe, Sentry, Clickup for better development cycle.
- Integrated continuous integration and ensured continuous delivery among various services.
- Worked on graphene to optimize API performance.

### SDE Intern

Apr 2020 - Jun 2020

*Powerplay, Bangalore*

- Implemented core features and structure from concept through deployment.
- Introduced REST API, server-side pagination and JWT based authentication system.
- Standardized UI libraries by enclosing them in highly customizable wrapper for code reusability. Assessed UX and UI designs for technical feasibility.
- Developed standard and ad hoc report in table format.
- Collaborated with product team members to implement new feature developments.

## Projects

### CodeRunner 2.0 | SDSLabs

Oct 2019 - Present

- Program code compiler is written in go.
- Implemented core functionality CLI and exposed as API.
- Designed central agent to govern micro services, optimise cost & increase reliability.
- Added GRPC server to spawn runners in docker environment with custom log factory.

### Accounts V2 | SDSLabs

May 2020 - Present

- It is an indigenous multi-provider authentication framework based on OAuth-2.
- Optimized the OAuth flow and containerizing the applications for better stability and scaling.
- Worked on additional features such as server-side Redis caching.

## Courses

Jan 2021

### Quantum Computing

## Activities

Dec 2018

### Winter of Code

Aug 2019

### CodeFunDo++

Oct 2019

### Hacktoberfest

Jan 2020

### Global Gam Jam

Jun 2020

### Microsoft Visual Studio Code Hackathon

Oct 2020

### Slash and Hack GraphQL

Nov 2020

### INOUT 7.0

Dec 2020

### CSAW

## References

### Gaurav Manik

Associate Professor, Indian Institute of Technology, Roorkee

gaurav.manik@pe.iitr.ac.in

### Shubham Goyal

Co-founder & CTO, Co-founder & CTO

shubhamk.goyal2525@gmail.com

## Cerebro | SDSLabs

Mar 2019 - May 2020

<https://cerebro.sdlabs.co/>

- An online competitive platform for machine learning enthusiasts in the campus of IIT Roorkee.
- Implemented Admin Panel to host and manage machine learning competitions with submissions and managing posts.
- Worked on additional features such as edit post and lazy loading of news feed.

## Issue Labeler Bot | SDSLabs

Sep 2020

<https://github.com/sdlabs/SDSLabs-Issue-Labeler>

- ML-bot to automate the labelling of issues on Github by critical analysis of its content.
- Generated training dataset by scraping around 20,000 issues on Github.
- Fine-Tuned the Google Bert Model on the dataset. Exported the trained model to integrate it with the Github bot.

## ScraperQL | SDSLabs

Oct 2020

<https://scrapergql.herokuapp.com/>

- Web scraper using recursive power of GraphQL.
- Created in NodeJS and is hosted as an API service.
- Integrated GraphQL to run scrape queries

## Slackbot | SDSLabs

Jan 2021 - Present

- A simple yet extensive bot written in Golang, which uses Sockets to communicate to Slack API.
- Developed core features with plugin layer for attaching different bots onto one single point.

## Kill-Zee | SDSLabs

Jan 2020

- A small tactical game in Lua to kill zombies and protect your tower before its too late.
- Spearheaded and implemented the underlying core features and worked on performance optimization.

## Cognizance PWA | IIT Roorkee

Jan 2019 - Feb 2020

- Worked on designing the architecture and implementing core features.
- Ported the legacy code from webpack v2 to webpack v4 and restructured the dependencies.
- Worked alongside design team for faster and better development cycle for the UI.

## Positions of Responsibility & Extra Curriculars

### Joint Secretary | SDSLabs

Jan 2019 - Present

- Under the hood of the group, we promote technical culture on the campus by conducting hackathons, lecture series, and competitions.
- Responsible for maintaining current applications and server management.
- Mentored freshmen students in their projects for the Winter of Code program.

### Manager | Entrepreneurship Cell

Feb 2019 - Feb 2020

- Conducted meetings, hands-on workshops and events on various topics related to entrepreneurship and startups.
- Participated in various case studies regarding SaaS.

### Executive | Student's Club

Aug 2020 - Present

- Maintained E-Portal for Student Club which is used for booking activities under the club.

### Executive | Cognizance

Jan 2019 - Feb 2020

- Worked in a 3-tier team of 5+ executive members, associate members, and co-coordinators to establish web presence of Cognizance 2019 and 2020.
- Worked as a Manager Web in 2019 and 2020