



Adrij Shikhar

UG (III Year I Semester)
B.Tech. (Chemical Engineering)
Contact No: 8218058928
Email: ashikhar@ee.iitr.ac.in
Registration No: 18121003/2021

Indian Institute of
Technology
Roorkee



Area of Interest

DevOps, Web Development, Open Source Development

Education

Year	Degree/Examination	Institution/Board	CGPA/ Percentage
2020	B.Tech. 2nd Year	Indian Institute of Technology, Roorkee	8.288

Internships

SDE Intern | Rephrase.ai

October 2020 - Present

- 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 & developed server side streaming flow using gRPC

SDE Intern | Powerplay

April 2020 - July 2020

- Implemented core features and structure from concept through deployment.
- Introduced REST API's and server-side pagination.
- 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.
- Tech Stack: MERN

Projects

Cerebro | SDSLabs

March 2019 - May 2020

- 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.

Accounts V2 | SDSLabs

May 2020 - Present

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

CodeRunner 2.0 | SDSLabs

September 2020 - Present

- Program code compiler written in go.
- Implemented core functionality CLI and exposed as API
- Designed central agent to govern micro services, optimise cost & increase reliability
- Integrated custom log factory.

ScraperQL | SDSLabs

October 2020 - Present

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

Hidden Stone | SDSLabs

May 2019 - December 2019

- Lead a team of four, from design to development cycle.
- Established using ReactJS and Redux for state management.
- Worked on wrappers to extend the functionalities of libraries used, such as material ui.
- Integrated Google Sheets API for newsletter and donation information.

Kill-Zee | SDSLabs

January 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

January 2019 - February 2020

- Worked on designing the architecture and implementing core features of the progressive web app.
- 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 user interface.

- E-Summit is an event held to exhibit the entrepreneurial talent and creativity through many competitions like business ventures, product design competition, etc.
- Developed core pipeline and worked on optimizing user experience.
- Enhanced scalability and reliability by integrating Google Cloud Platform API
- Spearheaded the development of user interface and the flow of login & registration forms.

Awards / Scholarships / Academic Achievements

- 3rd Place - CSAW Embedded Security Challenge 2020 - Global
- 1st Place - CSAW Embedded Security Challenge 2020 - National

Skills

Computer languages	JavaScript, TypeScript, GoLang, Dart, PHP, Git, HTML/CSS, Sass, Java, Bash, SQL, C++, Python, Lua
Software Packages	NodeJS, Github, ReactJS, Redux, ExpressJS, Flutter, Gulp, Grunt, Deno, Docker, MySQL, Laravel, MongoDB, VSCode, jQuery, Postman, MongoDB Compass
Minor/Honors Courses	Quantum Computing
Languages Known	English(SRW), Hindi(SRW)

Positions of Responsibility & Extra Curriculars

Developer | SDSLabs

January 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 managements.
- Mentored freshmen students in their projects for the Winter of Code program.

Manager | Entrepreneurship Cell

February 2019 - February 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

August 2019 - Present

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

Executive | Cognizance

January 2019 - February 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 an Manager Web in 2019 and 2020.

References

Gaurav Manik

Associate Professor
Associate Professor
gaurav.manik@pe.iitr.ac.in

Shubham Goyal

Co-founder & CTO
Powerplay (Coffer Internet Services Pvt. Ltd.)
shubhamk.goyal2525@gmail.com