

ADRIJ SHIKHAR

B.Tech. Chemical Engineering
UG(III Year I Semester)
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Registration No: B.Tech./CH/18121003/2021

Indian Institute of
Technology
Roorkee



Area of Interest

Android, DevOps, Cross Platform Applications, 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 |
| 2017 | Twelfth | Gulab Rai Montessori - CBSE | 93.6 % |
| 2015 | Tenth | Hartmann College - ICSE | 86.2 % |

Internships

Software Development Engineer | Powerplay (Coffer Internet Services)

1 April 2020 - 2 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

Vega VS Code Extension | Major League Hacking

27 June 2020 - 28 June 2020

- MLH and Microsoft joined forces to host a hackathon for building new and improving existing coding tools.
- Integrated Vega charting library to VSCode, to generate charts and diagrams on the go.
- It reads the config from the JSON schema and shows the output in the Web View of VSCode.

Arceus / Falcon | SDS Labs

1 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.

Covid 19 Tracker | SDS Labs

1 April 2020 - Present

- A cross platform application to track Covid-19 activities, based on Flutter framework.
- Integrated maps sdk to pinpoint data for convenient visual understanding.
- Lead the effort to introduce Government Protocols to be followed to prevent spreading of the same.

DarkDev | SDS Labs

1 April 2020 - Present

- A self crafted VS Code Theme, for those who like it in dark mode.

Kill-Zee | SDS Labs

29 January 2020 - 31 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.

E-Summit PWA | IIT Roorkee

1 December 2019 - 1 February 2020

- 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.
- Spearheaded the development of user interface and the flow of login & registration forms.

Portfolio | SDS Labs

1 December 2019 - 1 January 2020

- The SDS Labs portfolio is written in VueJs with Django-drf based backend.
- Developed and integrated various Django REST APIs.
- Worked on mobile responsive aspect and stability.

WoC 2019 Portal | SDS Labs

1 November 2019 - 8 November 2019

- SDS Labs host an annual event to promote technical culture among new students.
- Developed portal for the same and integrated Google Sheets API for form registrations.

Hidden Stone | SDS Labs

1 May 2019 - Present

- 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.

- 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.
- Built on Open source PHP framework, Laravel with frontend SPA client in ReactJS and Redux.

Cognizance PWA | IIT Roorkee

15 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.

evem | SDSLabs

1 December 2018 - 1 January 2019

- Instituted a centralized booking system for students and organizers of IIT Roorkee.
- Implemented personalized calendar, feedback portal and search feature.
- Pure HTML/CSS, JS usage with PHP as backend.

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 |
| 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

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

August 2019 - Present

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

Co-Opted Executive | Cognizance

15 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**

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