

Aradhya Tripathi

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EDUCATION

Madan Mohan Malaviya University of Technology, Gorakhpur
B.Tech-Computer Science - CGPA:8.12/10

Jul 2019 - May 2023

WORK EXPERIENCE

Software Engineer at Scaler Academy/InterviewBit

Jun 2023 - Present

TechStack- NextJs | ReactJs | Typescript | SCSS | Jest | Git | Jira

- Developing and Maintaining Scaler topics. **Revamping** it with modernized features and market paced UI/UX.
- Revamped implementation of **video player** in scaler courses using **vimeo.js** to get **better performing and interactable** course playing experience.
- Owned page **performance and SEO** improvements for all the pages in Scaler topics. Yielded performance improvement from **40% to 75%** in mobile and from **75% to 90%** in desktop pages.
- Improved the following **performance metrics** to achieve these results: **Total Blocking Time, Cumulative Layout Shift, Largest Contentful Paint, First Contentful Paint.**
- Implemented Next.js **on-demand Incremental Site Regeneration (ISR)** to reduce the **cost** of deployment on server by **80%** along with **80%** reduction in **Bandwidth consumption** and **98%** in **serverless function execution**.
- Owning the migration of Scaler topics frontend from **Next.JS 12 to Next.JS 13** with **app routing** and **server side component rendering** to improve site performance and reduce the shipped javascript **bundle size** to the client.

Software Engineering Intern at Scaler Academy/InterviewBit

Aug 2021 - May 2023

- Built **Scaler Topics** from scratch being in the **core** development team.
- Developed **Responsive** and **generic** components for **different pages** of the site like **header, collaborator** section, **cards** etc.
- Developed **admin panel (CMS)** for system admins to create, edit and manage different **articles, hubs** and **modules** along with their relevant tags, images, quiz and certificate criteria evaluation.
- Created **Manage certificates** page for users where they can **view, manage** and **download** certificates for their hubs.
- Implemented **Scrollspy** and integrated **autoscroll** with it for smooth scrolling to active modules.
- **End-to-end** integration of user **feedback features** on Scaler Topics.
- Revamped the complete **Login/Signup flow** for Scaler Topics creating separate components and different flows with **email** and **mobile number** along **Google Recaptcha** integration.
- Developed responsive **Courses Features** with various sections of **challenges, articles, FAQs** for Scaler Topics creating different components and pages for the same.
- **Improved the performance of Scaler Topics article pages** from **20% to 50%** in **mobile** & **50% to 80%** in **desktop**.
- **Revamped the complete Article Page** making it **responsive** for different screen dimensions

PROJECTS

RentKart ([view/git repo](#))

May 2022 - Present

- A full-stack web application for helping people to rent rooms, flats and properties online.
- Landlords can post room availability with location and contact details.
- Tenants can find rooms and shortlist them. Integrated Google map APIs to view location on embedded google map.
- Implemented JWT basic authentication for login/signup.
- For state management, used Redux that stores dynamic data updates of various components.
- **Tech Used:** ReactJs | Redux | HTML/SCSS | Javascript | Node.js | MongoDB | Express.js | JWT | Postman | Git

ACHIEVEMENTS

- **Google Kickstart 2020 round H** : Global rank **938** among appx. **10000 global participants**. ([Certificate](#))
- **Codeforces Round 719** : Global rank **1389** among appx. **13000+global participants**.
- **Codechef UWCOI 2021**: Global rank **108** among appx. **4000 global participants**.
- **Codeforces Rating : Specialist (1421)** ([Profile link](#))
- **Codechef Rating : 4 star (1863)** ([Profile link](#)), **Leetcode profile:** [Profile link](#)
- **Solved 1000+ ds algo** questions on various coding platforms.: **StopStalk profile:** Aradhya_12 ([Profile link](#)),

SKILLS

- **Strongest Areas:** Data Structures and Algorithms
- **Languages and Tools:** C++ | C | Node.js | ExpressJs | Client Side JavaScript | MongoDB | Java | HTML/CSS | Git | ReactJs | Next Js | Typescript | SCSS | SQL query