

SHIVAM SHARMA

Hyderabad, India

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LinkedIn

GitHub

LeetCode

EDUCATION

Indian Institute of Technology, Jammu (IIT JAMMU)

Aug. 2019 – May 2023

BTech in Computer Science and Engineering(CSE), CGPA: 8.75

WORK EXPERIENCE

Mathworks

08/2023 – Present

Associate Software Engineer | NextJS, GoLang, LIT, JavaScript, CSS

Hyderabad

- Implemented a utility within the 'Tree' component to handle resize events, enhancing **data buffering** and optimizing nodes' **pagination** resulting in 85% improved performance and user experience.
- Upgraded the **NextJs 'ComboBox' component** by integrating support for icons, headers, and an action-performing footer to populate content from **NoSQL database**, significantly improving its functionality and usability. This upgrade positively impacted around 17 teams across the company.
- Enhanced the 'Playback' component to handle minute time-period changes(as small as 10^{-10}) while dragging the knob on it, enabling accurate simulation of Simulink models for short time periods.
- Elevated the live-task gallery with **pop-out** feature, and hence improving the accessibility to hit specific API end-points to fetch data for the widget.

Fusion Technologies

August 2020 – March 2022

SDE Intern | NodeJs, Python, C++

Remote, Hyderabad

- Implemented Linux functionalities related to Ubuntu logs, and proc state for making the analysis of processes easy.
- Boosted bloom filter implementation using **Python binding**, making it easy to search a username. (C++, Python)
- Developed Windows functionalities using Windows Registry for optimizing the utilization of the machine resources.
- Utilized **NodeJs** to develop an SSH client for Hadoop, enabling **CRUD** operations within the cluster. Implemented a multiserver NFS cluster system for data replication and high availability.

Newzera

January 2021 – February 2021

Software Engineer Intern | ReactJs, NodeJs, GraphQL, MySQL

Remote, Indore

- Engineered scalable **GraphQL** APIs to optimize data retrieval processes, enabling efficient querying and mutation of content across the app's UI, resulting in a more responsive and performant user interface.
- Built **React Native** and **ReactJs** screens that dynamically display updated posts and user stories, utilizing data from the built GraphQL APIs.
- Leveraged **MySQL** and **DynamoDB** databases for real-time screen updates, implementing pagination to enhance content navigation.

SKILLS

Languages	JavaScript (ES6+), C++, Python, TypeScript (TS), GoLang, Java
Web Technologies	React.Js, NextJs, NodeJS, TailwindCSS, LIT, Express, GraphQL, MERN, Material UI, JSON
Databases	SQL, NoSQL, MongoDB
Other Tech	HTML5/CSS, Unix-OS, FIGMA, MATLAB, Simulink, OOPs
Developer Tools	Git, VS-Code, Chrome-DevTools, Eslint, Maven, QUnit

PROJECTS

Picture-Book Application | ReactJs, Firebase

GitHub

- Designed an online picture-book application, facilitating user actions such as adding, deleting, applying filters, creating collages, and uploading/download pictures.
- Integrated **Google authentication** for secure login access to personalized galleries within the picture book web app.
- Used **Firebase** to establish a robust database infrastructure for storing user images and credentials, ensuring seamless access and data management.

Macbook Air Keyboard | ReactJs, Tailwind-CSS

GitHub

- Designed a custom Macbook-Air keyboard interface to enhance user experience in web applications.
- Leveraged **Tailwind CSS** for rapid UI development, leveraging its utility-first approach for efficient styling.

ACHIEVEMENTS

LeetCode max rating: **1828**

Codeforces max rating: **1594**

Google kick-start rank: **1600/30k** in 2022