Suraj Kumar
Web Developer
Currently Pursuing BCA(2nd Year)

📅 28TH March 2001

📞 +91 9676135373

✉️ sk10121815@gmail.com

🌐 https://surajkumarsk.me/

📍 Hyderabad, Telangana

🐙 @Surajkumar-sk

in @Surajkumar-sk

Skills

- Programming Languages :

  . C++ , Python , Java
  . HTML, CSS , JavaScript

- Libraries & technologies :
  . NodeJS , ExpressJS
  . MongoDB , dynamoDB,
  SQL , ElastiicSearch
  . BootStrap , MaterialUI
  . ReactJS , Redux
  . Few other minor libraries
  in JS, Python and C++.

- Saas Aaas
  . Heroku , Netlify , AWS
  GitHub

Projects

Follow the link below to
view all of my projects :

Click Here

Interests

. Blockchain
. Problem Solving
. AR , VR

Languages : English , Hindi , Telugu

About

Always fascinated by 0's and 1's, I keep learning new things. I am a quick learner and love to work with a team.

Experience

Sarvh (Web Dev Team Lead)(Sept 2021 – Jan 2022):

(HTML , CSS , JavaScript, ReactJS, Redux, Nodejs, ExpressJS, MongoDB, dynamoDB, ElasticSearch and few libraries)

- Sarvh is a basically an integration of Social media and Ecommerce website providing a social media platform experience while shopping to their users.
- Initially when I joined as an intern, Sarvh Architecture was Heroku as backend, MongoDB for Database and ReactJs, Redux and few other libraries for frontend.
- As an intern I built a lot of reusable web components with react which were device responsive and made sure its performance was at best, because in react a single unhandled hook or state variable can degrade the apps performance drastically. I managed Redux along with the team.
- Costs of maintaining a server at heroku along with MongoDB were pretty high and scalability was not cheap too especially for a startup like Sarvh where traffic can be unpredictable and money spent should be minimum without compromising on performance or features.
- AWS pay per use and auto scale model was best suited for this type of startup. When I finished my internship I proposed to shift the Database from MongoDB to dynamoDB and server from heroku to EC2 instance of AWS. I also proposed to use Elastic search which I later taught can be replaced with a simple search algorithm on backend.
- As a team lead I along with the team planned and Integrated DynamoDB, EC2 and S3 making sure that we incur minimum costs for read and write on DynamoDB and S3 to reduce costs of usage.
- Click here to visit the Beta version of SARVH (launched when I was an intern. I worked on a lot of React web Component being used.)

Shaka Player(Open Source)(Feb 2021 – May 2021):

(HTML , CSS , JavaScript , Video Streaming Technology)

- Started working on Shaka Player for getting selected for GSOC 2021. I didn't get selected probably because my application didn't stand out.
- I learned a lot about how video and audio get encoded, decoded. How they are streamed over internet. The most interesting part for me was how live streaming worked using HLS protocol. I learned how to use Shaka player to implement video streaming on websites.
- I Implemented Support for window users, so all window users can contribute to Shaka player, Implemented UI buttons for users to Control Video.
- Fixed few more issues and learned a lot about Video Streaming technology.
- Click here to view all my contributions to ShakaPlayer

Minor Projects (2019 – 2021) :

(HTML , CSS , JavaScript , Python , C++ and few libraries.)

- The main reason I code is to just have some fun, so I built a lot of Common projects available on internet but there are few unique one's that I listed which had or can have some impact on real world.
- Implemented a bot using python to handle my Instagram account from liking trending posts to automatic DM.
- Implemented few Searching algorithms for website to search for Public Government teachers data and return data.
- And many more …
- Click Here to view all the minor projects