

Project Journal

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CS565 Full Stack Web Development

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I started with designing portfolio project using HTML/CSS and Bootstrap. I used ScrollSpy in Bootstrap that updates links on navbar based on scrolling. Used Google Map Api for location in contact me section.

You can find my bootstrap portfolio at this link: <http://web.cecs.pdx.edu/~saras3/index.html> and github at <https://github.com/saraswathidatar/PortfolioWebsiteUsingBootstrap>

After attending class on React I switched from Bootstrap to React for UI.

Credits: Paul Hanna. He has some awesome react tutorials.

Installed react using create-react-app app-name and then cd app-name followed by npm start. Then installed react mdl for material design by using npm install --save react-mdl and added all the css and js files related to it by importing them. Began the project with a landing page. Implemented react router by wrapping the app component inside browser router in index.js. Then added stateless connection for all the routes in main.js by wrapping route components in switch. Added this main component to app.js by linking it to navbar. Further replacing all the anchor tags in layout with link tags by importing link from react-router-dom.

Using <https://uigradients.com> for adding various css to backgrounds. Added my resume to resume page. I used <https://cloudinary.com> to upload images/files to the project. For categorizing projects added tabs and for each project added a card with project description as a simple react responsive collapsible section component which wraps the content in collapsible element with trigger to open and close. I researched various collapsible options with react such as reactstrap collapse components and mobiscroll UI but found them to be complicated with properties and event handlers so decided to stick with react collapsible.

For Contact form I started with a basic one with text inputs for name and email and text area for message and submit button. Then added some styling to it followed by adding some state to the form with a submit handler method. I am using PHP to send emails to my mailbox. Then from react app we send the post request to php api. By installing Axios with npm install axios and using it inside handler we send data to the server. I haven't been able to connect to server yet. So this part needs some more work. For this I referred to <https://blog.bitsrc.io/how-to-build-a-contact-form-with-react-js-and-php-d5977c17fec0>

Tried incorporating Google Analytics Embed API but had some issues.

Future enhancements:

- 1)Will make the website interactive.
- 2)Planning to use MERN stack

You can find my Portfolio website using React: <https://saraswathiportfolio.herokuapp.com/>
Github: <https://github.com/saraswathidatar/PortfolioWebsite>