POOJA GUNTURU

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SUMMARY

I'm a Web Developer with a passion for UX design and a growing interest in AI and ways it can enhance interaction and accessibility on the web.

EXPERIENCE

Web Developer, Middlebury College   *Feb 2021 - Present*

- Design and develop web applications, emails and other pieces of interactive marketing that are consistent with Middleburys overall communications strategy and are accessible.
- Maintain several frontend themes, design and develop components required for Drupal sites using JavaScript, Sass, Twig and frameworks like Preact.
- Run quarterly accessibility audits to identify issues and take necessary steps to resolve them to maintain high standards of accessibility.
- Work with designers, developers and academic departments to make sure all user interactions are well designed and cater to stakeholder's as well as user's needs.
- Implement customized applications for organizational needs using React, GatsbyJS, Markdown and Netlify CMS.
- Improve developer and designer experience by implementing a design system in Figma to streamline the flow of design assets into code.

Web Developer Intern, Daikin Open Innovation Lab Silicon Valley   *Jul 2019 - Aug 2019*

- Worked on a web application that allows users to remotely monitor facilities through real-time sensor data.
- Implemented a feature to allow first-time users to update their password through the web application.
- Speedily learned Redux and Redux Sagas with React and used available frontend components to implement the feature in 30% of the anticipated time.
- Extensively used Google Chrome's Developer Tools to efficiently analyze the application and diagnose software bugs.
- Collaborated with a Senior Developer to efficiently track the source of a major software bug, that broke the user interface, and implement a simple fix.
- Enhanced user experience by fixing bugs and filing others.

PROJECTS

ML based This or That quiz app (Personal) | Website: tinyurl.com/2sp6cdn9 | Demo: tinyurl.com/58vmv8ta

- Built a computer vision based app to detect user's head tilt direction and selects the option on the left or right based on the direction of tilt.
- Used Google's Teachable Machine to create an image detection model and TensorFlow.js to load model and detect images and use the data to select the left or right option.

Fintech Web Application (Personal) | Website: tinyurl.com/3zuw2ma8

- Collected requirements and designed a React based frontend to display live data about stocks and hosted it on GithubPages, utilized graphing libraries such as Lightweight-charts and Plotly.js for intuitive data visualization.
- Created a database using Sqlite, setup a server using Express.js and hosted it on Heroku.

Restaurant Automation Web Application (Undergraduate) | Demo: tinyurl.com/mvchrpzv

- Designed and implemented a web application to automate interactions between customers and restaurants.
- Used Material Design elements to design five detailed web page mock-ups, for three frontend clients, in Figma.
- Developed an intuitive page for listing the orders placed by customers. Used ReactJS, TypeScript and Material-UIcomponents.
- Implemented Agile methodologies like weekly scrum meetings, to efficiently manage the progress of frontend and backend components.

EDUCATION

Bachelor of Science, Computer Science   *Jan 2017 - May 2020*
Missouri University of Science & Technology   GPA: 3.26/4.00

SKILLS

Front End: JavaScript ES6, HTML, CSS, Sass, TypeScript, Twig
Back End: MySQL, PHP, Java, Python Pandas
Source Control: Git, SCRUM/Agile, GitHub, JIRA/Bitbucket
Frameworks: Decap CMS, ReactJS, Redux, GatsbyJS, Material-UI, Semantic UI
UI/UX: Adobe Illustrator, Adobe Photoshop, Adobe Animate, Figma
Build tools: Gulp, Webpack, Vite
Development Environments: VSCode

ACTIVITIES

- ITS Champion - September 2022, September 2024, *Middlebury College*
- Honors - Cum Laude, *Missouri S&T*
- Student Success Coach at the Student Success Center, *Missouri S&T*
- Deans List 2017, *Missouri S&T*

TRAINING/COURSES | Certificates: tinyurl.com/yn9yd4yr

- Machine Learning in JavaScript with TensorFlow.js, *Frontend Masters*
- Vite, *Frontend Masters*
- Web Performance with Webpack, *Frontend Masters*
- Webpack 4 Fundamentals, *Fronted Masters*