Shashank Racherla

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Skills

C, Ruby, Ruby on Rails, JavaScript, jQuery, React.js, Redux, SQL, Git, HTML5, CSS3, SASS, Actions on Google, Google DialogFlow, Google Firebase Realtime Database and Cloud Functions, Node.js, AWS S3, RSpec, npm, Heroku

Education

App Academy (2018)
Immersive software development course with focus on Full Stack Web Development
Osmania University, India (2013 - 2017)
Bachelor of Engineering, Computer Science

Projects

Audify (Ruby, Rails, JavaScript, React-Redux, PostgreSQL, AWS, Heroku) live site | github
A full stack web application inspired by Spotify that users can interact with playlists and stream music on-demand

- Utilized AWS S3 to optimize audio sourcing and playback reducing server load
- Integrated React Player and designed it to be its own isolated top level component to deliver a seamless, uninterrupted experience when navigating throughout Audify
- Leveraged Redux unidirectional data flow to create predictable, normalized state and reliable DOM rendering
- Engineered custom API endpoints for code efficient access to delete songs from a playlist

CodeUp Trivia (Google DialogFlow, Node.js and Google Firebase) demo site | github
An App for the Google Assistant which allows users to take a interactive quiz on a coding language of their choice

- Designed the conversation logic using Google Dialogflow to enable seamless interaction between the user and the Google Assistant
- Built a website using HTML5 and SASS following the Google Material Design principles for users to understand how CodeUp works
- Authored a Medium article which can be used as a guide for developers who want to create their own Google Assistant App

Dispersion (JavaScript, HTML5 Canvas, CSS3) live site | github
A pure frontend project that visualizes a Particle System with variable Gravity

- Applied custom physics formulas to simulate realistic motion of particles upon collision with the cursor
- Utilized Event Listeners to keep track of cursor location so that users can repel particles using the mouse
- Constructed a slider using the HTML Range Input that altered the equations of gravity for particles thereby simulating time-travel

Extra-curriculars

- Designed the curriculum for Quizzotic 2015, a quiz focussing on general knowledge in the tech industry, at Osmania University as the Organizing Member
- Helped developers design and build Android apps as a volunteer for “The Appening” as a member of the Google Student’s Club, Hyderabad
- Organized and hosted Techrace 2016, a multi-level trivia event part of the annual fest Infinity, of the

Computer Science Department, Osmania University