

Shashank Racherla

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[linkedin](#)

[github](#)

Skills

Ruby, Ruby on Rails, RSpec, 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

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

[live site](#) | [github](#)

Audify, inspired by the Spotify Web Player, is a full stack application built on React, Redux and Ruby on Rails

- Engineered the Backend by establishing custom API endpoints on a Ruby on Rails 5 framework
- Implemented the PostgreSQL's PG_Search library to query the database for the Audify Search feature
- Designed the music player to be its own isolated React Component to ensure Continuous Playback when navigating throughout Audify.
- Augmented the UX to have custom drop-shadow effects and transitions by using SASS techniques
- Used AWS S3 to store the Music files and related album art for streaming

Dispersion

[live site](#) | [github](#)

Dispersion is a frontend JavaScript project that demonstrates a particle system built using Canvas

- Implemented a particle system that is solely rendered using Canvas and JavaScript
- Applied custom physics formulae to simulate realistic motion of particles upon collision with the cursor
- Integrated Event Handlers to keep track of cursor location so that the particles get repelled from the mouse at all times
- Designed and built a slider that lets the user manipulate the gravity of each particle

CodeUp Trivia

[demo site](#) | [github](#)

CodeUp Trivia is a Google Assistant App built on Google DialogFlow, Node.js and Google Firebase

- Collaborated in a team of four to design and build a coding trivia app for the Google Assistant
- Helped engineer the user conversation logic using Google DialogFlow for the frontend and Node.js, Firebase for the backend
- Helped design and build the demo website using HTML and SASS following Material Design
- Authored a Medium article which can be used as a guide for developers who want to create a Google Assistant App

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 apps as a volunteer for "The Appening" as a member of the Google Student's Club, Hyderabad
- Organized and hosted Techrace 2016, an event part of the annual fest Infinity, of the Computer Science Department, Osmania University