

Vishal Vaddadhi

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EDUCATION

UNIVERSITY OF CALIFORNIA, SANTA CRUZ

Santa Cruz, CA

Bachelor of Science, Computer Science

June 2020

LANGUAGES / SKILLS

- **Programming Languages:** Java, Python (TensorFlow, Keras, Numpy, Pandas, Sklearn, Matplotlib), C++, HTML5, CSS3, JavaScript
- **Web Technologies:** Flask, Angular.JS, ReactJS, REST, Bootstrap, Unix, Node.js, Project Helidon, OCI SDK, Apache Drill, Mongoose
- **Tools:** Git, Gitlab, Latex

EXPERIENCE

ORACLE

San Jose, CA

Software Engineering Intern

Jan 2020 - March 2020

- Developed a CSV to Apache Parquet converter on a Gradle Multi-Project build via Apache Drill.
- Implemented a REST API using Oracle's Project Helidon (Similar to SpringBoot Framework) to wrap around the converter library.
- Integrated REST API to call into cloud storage using the OCI SDK to download the files from cloud, convert, and then upload back into cloud. Followed SCRUM methodologies throughout the entire development process
- Developed a native converter as well that utilized heavy java and Apache Avro that is able to convert to and from CSV to Apache Parquet..

COACH AND CREW

Los Angeles, CA

Full Stack Engineering Intern

Aug 2019 - Dec 2019

- Implemented a profile page component for users, coaches, and brands using HTML5, CSS3, Bootstrap, and Angular.js to let all different types of users to have their own private profile page curated to their specific user type.
- Implemented a RESTful API using Node.js, Express.js and JWT(JSON Web Tokens), to perform CRUD operations on the profile components of the user specific page.
- Designed a database schema utilizing MongoDB and MongooseJS to retrieve data from the respective clusters and display in the profile.

UNIVERSITY OF CALIFORNIA, SANTA CRUZ

Santa Cruz, CA

Student Consultant

Jan 2019 - June 2020

- Manage the computer operating systems at all university labs and libraries.
- Oversee resources to ensure consistent functionality and maximum student/faculty satisfaction.
- Proactively troubleshoot unique equipment issues with teammates to remedy issues before occurring.

PROJECTS

DEVELOPER CONNECTOR (<https://red-whistler-03665.herokuapp.com/>)

June 2020

- Developed a full stack web app using MongoDB, ExpressJS, ReactJS, and NodeJS that brings developers together into a helpful community to learn, grow, and engage in educated discourse about developer related field topics
- Designed a RESTful backend server enabling user information ranging from posts made, comments, profile info, form data, and much more to be stored in the MongoDB Atlas cloud database.
- Incorporated JSON Web Tokens(JWT) for user authentication in addition provided added feature of Github OAuth so users have the choice to display their github repos on their profile page
- Integrated Redux for state management and backend endpoints tested using Postman

PHOTO-ZONES

April 2020

- Created a full stack web app using HTML5, CSS, and ReactJS that lets users find the best picture spots in their location based off location and the genre of pictures they are looking for (Street, Urban, Landscape)
- Integrated the Google Maps API into the platform to add the location based services to the application.
- Platform exposes public API endpoints that can be accessed via HTTP requests. Endpoints tested using Postman
- Developed a backend using NodeJS, ExpressJs, JSON Web Token authentication, and MongoDB with Mongoose to create the schema

MOVIE TRACKER

June 2019

- Implemented a Rest API using Python, Flask-Restful, and Flask-JWT (JSON Web Token) that performs CRUD operations on a database of movies that are personal to the user
- Utilized werkzeug.security for authentication and identity of the user and Postman to test all the different endpoints of the api.

LEADERSHIP

Eagle Scout, Boy Scouts of America (President's National Volunteer Service Award)

Sept 2011 - Sept 2016

- Held numerous leadership positions including Senior Patrol Leader, leading a troop of 60 scouts for a 4 month term..