Harshith Manjunatha

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EDUCATION

University of California Santa Cruz, Santa Cruz, CA, Expected: December 2022
Bachelor of Arts in Business Management Economics (Dean's Honors List), GPA: 3.88/4.0
Representative Coursework: Econometrics and Experimental Economics, Machine Learning for Economics, Python Programming Abstractions, and Introduction to Internet Networking

University of California Berkeley Extension: June – September 2022
Certificate in Full Stack Software Development Bootcamp
Projects using: HTML/CSS, JavaScript, jQuery, React, MySQL, MongoDB, Express, Node.js, GraphQL, REST API, Sequelize (ORM), Mongoose (ODM)

PROJECTS

Genshin Impact Database, *(MongoDB, React, GraphQL)*: September 2022

- Stored character documents for multiple playable characters into MongoDB using mongoose ODM.
- Created a React app to display stored character data and enable users to log in and add comments for each character page.
- Used GraphQL as a connector in the MVC application, facilitating data transfer between the front and back end.

City Transit Mapper, *(MySQL, Express, Handlebars)*: August 2022

- Led a group of 3 members and created a web app that allows the creation of bus stops and bus routes for a fictional city.
- Stored the bus routes and stops created in the front end into MySQL, utilizing various relational paradigms.
- Converted the stored routes and stops into links and nodes and displayed the transit map as a graph using D3.js.

Personalized Recipe Generator, *(jQuery, Ajax, JavaScript):* July 2022

- Collaborated with 2 other members to create a web app that generates recipes based on what ingredients users already had.
- Allowed users to input ingredients they had and stored them in local storage.
- Fetched recipes from third-party API using the user ingredient inputs as a query.

Parametric vs Non-Parametric Prediction Model, *(Lasso, Regularization, CART method):* March 2022

- Given the task of predicting the demand for bike-sharing programs, determine which prediction model is the best fit for the scenario
- Tested parametric prediction by using OLS and Lasso predictive model. Tested non-parametric prediction by using a regression tree optimized using the CART method.

EXPERIENCE

Right at School, Mountain View, CA, (*Teacher Assistant)*: August 2019 – June 2021

- Assisted in managing a group of 35 elementary school students at an after-school program with a 3-member staff.
- Involved in scheduling and leading interactive STEM activities, and communicated to the students' parents the daily activities completed and students' behavior.

SKILLS

Programming Languages: CSS, HTML, Java, JavaScript, Python, R, SQL
Technologies: D3.js, Dotenv, Express, GraphQL, Handlebars, jQuery, Moment.js, MongoDB, Mongoose, MySQL, Node.js, npm, React, ReCaptcha, Sequelize, Git
Computer Software: Intellij, Photoshop, PyCharm, R Studio, Stata, VSCode