SUCHITRA MOHAN   SOFTWARE ENGINEER

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SKILLS React, Redux, JavaScript, Python, Express, Flask, SQL, SQLAlchemy, Sequelize, PostgreSQL, Git, HTML, CSS, Heroku, Alembic, Docker, AWS S3

EDUCATION

App Academy - *Full Stack Software Engineering, Online*   **Graduated 2022**
- Coding Bootcamp in Full-stack web development including relevant coursework, such as Object Oriented Programming (OOp) Test-Driven Development (TDD), Systems Design & Architecture, Data Structures, Algorithms, Agile/SCRUM Methodologies

Business Statistics and Analysis Specialization Certification - *Coursera, Online*   **2020**

SQL Basics for Data Science Specialization Certification - *Coursera, Online*   **2020**

Anna University - *Bachelor's Degree of Engineering(Computer Science & Engineering), India*   **Graduated 2012**

PROJECTS

Helprz (React / Redux / JavaScript/ Python / PostgreSQL / Flask / SQLAlchemy / Alembic / Docker)   **Live Site | Github**
*A **full-stack** application to find help for your household tasks, users can create, edit, and cancel tasks, leave reviews and become taskers.*
- Designed the database schema for the application enabling complex use cases like filtering available taskers based on date, time, city avoiding concurrent tasks. Used **PostgresSQL** DB, **SQLAlchemy** ORM, and **Alembic** for migrations
- Created multiple **React** components such as Tasker Profile to showcase taskers with features such as canceling a job.
- Implemented search feature, building a custom **React** component with keystroke event listeners to aid users to find a task.
- Incorporated custom error validations using **Flask** WTForms to implement additional checks in the Backend.

Oney (React / Redux / JavaScript / Python / PostgreSQL / Flask / SQLAlchemy / Alembic / Docker)   **Live Site | Github**
*A **full-stack** shopping application for handmade products, users can add, edit and delete a product, write reviews, add products to a cart and search for items.*
- Developed a smooth, intuitive splash page with high usability by leveraging the **React** composition model, utilized **CSS** stylings, and created a pop-up feel on hovering over each product listed.
- Designed a recursive algorithm using **JavaScript** that displays the category with nested sub-categories for creating a new product.
- Implemented custom search Using **SQLAlchemy** filtered items based upon the relevance of the search query and rendered data smoothly in the front-end using **React**/**Redux** state management.

Rental-Ride (React / Redux / JavaScript/ PostgreSQL / Express / Sequelize/ AWS/Google Maps API)   **Live Site | Github**
*A **full-stack** application that allows users to rent a car, users can rent out, edit or delete the listing, and also write reviews.*
- Harnessed the data normalization in **Redux** state management to simplify the rendering of **React** components and easier management of form submissions.
- Designed an intuitive Front-end user interface utilizing **CSS**, **JavaScript**, and **React** such as creating modals utilizing **ReactDOM**'s createPortal.
- Utilized **Express**, a **Node.js** framework, to create Back-end **API** routes in JavaScript.
- Integrated **AWS S3** to store image uploads in the cloud, reducing server load and allowing for scalability of image services.
- Implemented **Google Maps JavaScript API** with geolocation-based searching to display the location of cars on a map.

EXPERIENCE

App Academy, *Junior Instructional Assistant, USA*   **Feb 2022 - Present**
- Currently working for Data Structures course.
- Review lessons or lectures with students on a one-on-one basis or in small groups.
- Contribute improvements to App Academy's computer science curriculum content.

Cognizant Technology Solutions, *HR - Immigration, India*   **Nov 2014 - Feb 2018**
- Owned the complete analysis and reporting for Cognizant's Canada immigration Team. Created reports, set long/short term plans for the goals and priorities of the organization in order to set realistic timeline expectations with clients.
- Implemented excel Macros to simplify report generation that showcased monthly approval /rejection rates.
- Created summary reports for teams like "compliance" for the periodic audits.
- Analyzed and evaluated the specialized skills and job duties of visa applicants to satisfy Intra Company Transfer guidelines.
- Managed minimum compensation information to comply with foreign "National Occupational Code" requirements.
- Awarded "Best Process Improvement" while working in Cognizant for periodic process improvements that reduced the application turnaround times.