KEERTHANA YELLAPRAGADA

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LinkedIn   Github   Portfolio

SKILLS

Languages: **Python, Javascript, SQL, HTML5, CSS, TypeScript**
Frameworks: **React, Redux, Node.js, Mocha, Chai, Sequelize, SQLAlchemy, PostgreSQL, AWS, Docker, Express, Flask**
Key Skills: **Pair Programming, OOP (Object-Oriented Programming), TDD (Test-Driven Development),
                    SCRUM Methodologies,**

PROJECTS

Keerbnb
(Express/ Javascript/ React/ Redux/ SQLAlchemy/ Postgres)   Live Link|Keerbnb Github Link

Keerbnb is a full-stack application inspired by Airbnb that allows users to book vacation rentals hosted by other users.

- Implemented features such as hosting a rental, booking a rental, and leaving reviews for spots to enhance user experience.
- Designed and deployed a front-end design for the website using React-Redux and CSS to create forms that allow users to upload pictures, host a rental, and book rental spots.
- Connects to **Express.js(Heroku) via a JSON API.**
- Integrates **Google Maps API** so that users can view the locations of the rental properties
- Includes **custom form validations** and **modal components** for **DRY code** to improve application performance.

Codebunny
(Python/ Flask/ React/ Redux/ SQLAlchemy/ Postgres)   Live Link|CodeBunny Github Link

Codebunny is a website inspired by Taskrabbit that allows users to hire coders to complete a development project for them. Built using Flask, Python, Javascript, React, Redux, and CSS technologies.

- Implemented features such as hiring a coder for a project, creating a project, and taking on tasks on the website using a backend API created by **Flask & Python** to improve application performance**.**
- Designed and deployed the front-end of the website using React-Redux and CSS to create forms that allow users to create projects, sign up to be coders, hire coders, search for coders, and enhance user experience.
- Connects to **Flask.js(Render) via a JSON API.**

WellnessPage
(Python/ Flask/ React/ Redux/ SQLAlchemy/ Postgres)   Live Link| WellnessPage Github Link

WellnessPage is a full-stack application inspired by facebook that allows patients to build a support community.

- Implemented features to leave posts, comments, and likes on the website using a backend API created by Flask & Python to improve application performance and enhance user experience.
- Designed and deployed the front-end of the website using React-Redux and CSS to create forms that users use to leave posts, likes, comments, etc and enhance user experience.
- Includes **custom form validations** and **modal components** for **DRY code** to improve application performance.
- Connects to **Flask.js(Render) via a JSON API.**

EDUCATION

App Academy - Immersive software development course with focus on full stack web development (Summer 2022)

Kamineni Institute of Dental Sciences, Hyderabad - Bachelor's of Dental Surgery - (2012-2018)

<u>**Courses**</u>

Python 3, Codecademy - (Dec 2021)

Harvard edX CS50: Introduction to Computer Science , Harvard University - (Jan 2022)

EXPERIENCE
Registered Dental Assistant
Bay Area Kids Dentist, Sept 2020- Jul 2021

- Led patient health education, counseling, and behavior management, which resulted in a 30% increase in new clients acquired during the pandemic and increased customer satisfaction.
- Operated with the doctors in various pediatric surgical procedures performed under general anesthesia
- Streamlined front-desk duties, including customer services, billing procedures, scheduling appointment,s and insurance management

Lab Assistant
O'Brien Lab/Stanford University, Sept 2019 - November 2020

- Observed physiologic organ adaptation in the Drosophila gut by quantifying and tracking Notch-pathway activation and stem cell extrusions in the midgut R3 & R4 segments of Drosophila specimens.
- Collaborated with a team of postdocs and scientists and delivered data collection, charting, and analysis of stem cell growth using Bitplane IMARIS Imaging software and Microsoft Office.
- Managed inventory and maintenance of stock flies and materials used in lab experiments.

Dental Assistant
Park Saratoga Dental, June 2018 - Sept 2019

- Managed sterilization, topical medicament application, and taking dental impressions and x-rays.
- Maintained patient health and dental charts using dental software systems.
- Operated with the doctor in restorative, surgical, and preventative dental procedures.
- As "Team Lead", trained new hires in patient care & education, resulting in 50% improved retention rate of patients
- Introduced a new system to streamline workflow and optimize patience care at the clinic which resulted in a 40% increase in profits and a 30% increase in employees hired and trained.

General Dentist
Calibre Clinics, March 2018 - June 2018

- Responsible for oral diagnosis and treatment planning.
- Performed preventative, restorative, and surgical dental procedures.
- Managed a team of dental professionals to provide effective dental care for patients.
- Introduced newer technologies which improved clinical efficiency by 50% and doubled the amount of patients seen per day.
- Promoted dental health awareness and patient education which resulted in 40% increase in new patient acquisition treatment rates.

General Dentist
Government Dental Hospital, Osmania University, January 2017 - April 2018

- Provided dental treatment to a high volume of patients and participated in non-profit dental drives at school programs.
- Organized and actively partnered with various organizations to run school-based dental camps.
- Collaborated and led a team of doctors in various interdisciplinary clinical research projects.