TEJASVIN MUKESH

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EDUCATION

UNIVERSITY OF CALIFORNIA, SAN DIEGO, BS in Computer Science, GPA – 3.91/4.0   **Graduation: June 2023**
- Relevant Coursework (by Summer 2022): Object Oriented Programming, C++ and C, Data Structures, Algorithms, Unix and Shell, Recommender Systems, Machine Learning, Database principles, Computer Security.
- Tau Beta Pi – Engineering Honors Society, Roosevelt College Honors Program.

EXPERIENCE

INFOSTRETCH, Ahmedabad, India.   **Jun 2021 - Aug 2021**
Software Engineer Intern
- Translated figma wireframes into industry quality code and developed frontend architecture with increased efficiency by employing reusable components using JavaScript and React.js.
- Successfully integrated the front-end React Components with a storage API using React Hooks and a REDUX store.
- Improved website usability by reducing the number of clicks required for navigation and reduced load times by over 100% by implementing React Lazy Loading on the frontend.

ORBIS, University of California San Diego, La Jolla, CA.   **Mar 2021 - Jun 2021**
Software Developer
- Worked as a developer within a team to develop a lightweight, private, digital bullet journaling app designed for students pursuing remote education. (https://jrnl-site.netlify.app/)
- Developed the landing page and several web components using HTML, CSS andJavaScript. Aided in setting up the CI/CD pipeline for the project which eased debugging and making commits to the repository.
- Successfully implemented the app as a PWA which enables the users to use the app without internet.

KANGAROO KIDS EDUCATION LIMITED, Delhi NCR, India.   **Apr 2019 – Jun 2019**
Computer Science Instructor
> Interned as a Computer Science teacher for children with special needs. Trained a class of 80 students in Java programming. Topics included number & string manipulation, 1D & 2D arrays, and a general introduction to functions. Conducted a final exam and ended the term with a success of rate of 100% with every student passing the exam.

PROJECTS

Personal Website - https://tmukesh2809.github.io/
NEWSWRAP – A text Summarizer (Python).   **Jun 2021 - Jul 2021**
- Developed a text summarizer app which applies the newspaper package and the Natural Language Toolkit (NLTK) python libraries to provide a short abstract of a given news article. Incorporated the textblob package to produce a sentiment analysis of the given article in terms of 'positive', 'neutral' and 'negative'.
- Built a simple GUI of the app with a section to enter the URL of articles and a submit button using the tkinter package.

RECOMMENDER SYSTEM – Recipe Recommender (Python).   **Nov 2021 - Dec 2021**
- Developed a recommender system for recipes in python on a dataset available at Food.com.
- Created a predictor to predict whether a certain user will cook the given recipe or not with 75% accuracy using similarity between users and the popularity of the recipes.
- Performed Linear Regression using recipe features to predict the cook time of a given recipe.

DIGIWRITE – iOS OCR Application (Swift).   **Sep 2021 - Oct 2021**
- Collaborated with a peer to develop an iOS Document OCR application built using Apple's Vision Kit and Vision Framework in Swift UI 2.0. The App extracts the text out of the images and enables users to digitalize hand-written notes.

File Compressor/Decompressor (C++).   **Feb 2021 - Mar 2021**
- Created a C++ program for my Data Structure class to compress and decompress files using Huffman encoding.

SKILLS

Programming Languages- Java, C, C++, Python.
Web Development- HTML, CSS, JavaScript, React.js, Redux.
Technologies - Unix Shell, ARM, System Verilog, R language, Junit Testing, GitHub
Experience with - Data Structures & Algorithms, Web Mining & Recommender Systems, Operating Systems, AI/ML.