Ashwin Rohit Alagiri Rajan

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EDUCATION

University of California, San Diego (UCSD)   **Class of 2024**
- Bachelor's in Computer Engineering
- GPA 3.8/4
- Admitted to Warren Honors Society

Classes:
- Programming with Java and C++
- Data Structures and Algorithms
- Low level programming with Raspberry PI Arm Assembly & C
- Multivariable Calculus
- Linear Algebra & Discrete Math
- Signal Processing & Analog Circuit Design
- Managing Diverse Teams in the workplace

PROJECTS

Sorting Algorithms Visualizer using Javascript
- A HTML website that visualizes various sorting algorithms like quicksort, mergesort, etc.

Raycaster using C++/SFML ported to HTML
- Raycaster written in HTML Canvas that simulates a "3D" world.

iOS Twitter Client using Swift
- Twitter client for iOS written using Swift+Storyboard that uses Twitter API for getting realtime data.

Huffman Encoding/Compression using C++
- A text based compressor that uses Huffman Coding Trees to compress data.

Markdown to Html Converter using C++
- Markdown parser written in C++ that includes a Lexer, Parser, and a code generator.

SKILLS & INTERESTS

- C++, C, Java, HTML/Javascript, Swift.
- Familiar with Circuit building using LTSpice.