

ASHWIN ROHIT ALAGIRI RAJAN

+1(858) 247-8125 ◊ San Diego, CA

aalagiri@ucsd.edu ◊ [linkedin.com/in/ashwinrohit](https://www.linkedin.com/in/ashwinrohit) ◊ www.mrvallus.com

EDUCATION

B.S. Computer Engineering, University of California, San Diego **GPA 3.7** Expected 2024

Relevant Coursework: Advanced Algorithms and Data Structures, Operating Systems, Web Development with Teams, Web Design, Machine Learning, Deep Learning, Circuit Design

Member of Warren Honors Society

EXPERIENCE

PROJECT LEAD - TSD EXPENSE TRACKER

Sep 2022 - Dec 2022

UCSD *San Diego, CA*

- Achieved 300+ users within a span of 3 months.
- Led project management team for class and coordinated **agile** developer practices like SCRUM.
- Developed expense tracking application using Javascript along with test suites built with Jest. Implemented live error monitoring with TrackJS. Hosted final project on Netlify.
- Enabled team to score the highest user count and score count in project competition.

VOLUNTEER TUTOR

Jan 2023 - Mar 2023

UCSD *San Diego, CA*

- Tutored around 70+ students in advanced algorithms class (ref. CSE 101 - widely considered the most important class at CSE-UCSD).
- Helped many achieve As and maintained a personal grade of A.
- Designed and coordinated study plans including overnight study plans during critical periods.
- Facilitated collaborative environment with professor and students.

PROJECTS

MOCKSTOCK

Live Trading simulator built using Next.js. Auth using Google. Features a competitive leaderboard in which friends can compete with each other. ([Try it here](#))

WAYGUM

Custom markup language with parser and html codegen written in Rust. Features markdown like syntax with a emphasis on strictness and source readability.

MNIST

Built MNIST and Fashion-MNIST recognizer convolutional neural net using pytorch. Features easy to use drawing web interface and GPU acceleration for Apple Silicon devices.

THIRUKKURAL READER

Modernized website to read the Tamil philosophical text Thirukkural. Built using Next.js and deployed on Vercel. Features daily readings and reading progress with modern UI. Used by many students at UCSD.

SORTING VISUALIZER

Customizable sorting algorithms visualizer with modern UI. Built using Javascript and hosted on Github Pages.

SKILLS

Programming Languages
Technologies

Javascript Python Rust C++ Java C Matlab mySQL Verilog
React Next.js Git Express MongoDB PyTorch Github-Actions