

# Shreyansh Ediga Lakhamsani

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## EDUCATION

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### Folsom High School

*Class of 2024*

Relevant classes - AP Calculus, Honors Physics, Exploring Computer Science, Computer Science and Programming

Extracurriculars - Science Club, Computer Science Club, CSF

### Folsom Lake Community College

Classes - CISP300 Algorithm Design

### Other

Coursera - Algorithms (Princeton), Machine Learning (Stanford)

## PROJECTS

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### Discord Bot for Notes

Created a discord bot that gives you a summary and study guide for various books, poems, math lessons, etc to make studying more efficient. It is currently being used in a server with 100+ students.

### Wordle Clone

Created a clone of the popular Wordle game in Java and tested various search algorithms to solve the game. It takes into consideration the frequencies of each letter across the entire Wordle dictionary and uses a greedy-min-max strategy to narrow down words to find the optimal guess at each step.

### Sorting Algorithm Visualizer

Created a Javascript visualizer that has various simulations of different sorting algorithms, such as mergesort, insertion sort, and quicksort, to showcase the efficiency of the various algorithms.

### Sudoku + Solver

Created a Sudoku game with 3 levels of difficulty. It can be played by you and solved by the computer. Using backtracking, the solver starts at the top and starts guessing and checking. If something is wrong it backtracks and fixes it.

## SKILLS

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Technical: **Java** **Data Structures** **Python**