Dev Kapupara
669-350-5052 | devkapupara@gmail.com

EDUCATION:
San Jose State University
(Sophomore)
Pursuing B.S in Computer
Science and Applied Math
San Jose, CA | Expected 2019
SJSU Cumulative GPA: 3.88

SKILLS:
Java • Python • C • HTML/CSS •
JavaScript/JQuery

COURSEWORK:
- Object Oriented Design in Java and Python
- Intro to Data Structures
- Data Structures and Algorithms
- Linear Algebra
- ODE and PDE's
- Applied Probability and Stats
- Combinatorics
- Discrete Math
- CALC I to III
- Physics I & II

LINKS:
Github: /devkapupara
(All mentioned projects can be found here)

EXPERIENCE:
RUTGERS UNIVERSITY – CAMDEN LEARNING CENTRE | PEER TUTOR:
February 2015 – May 2015 | Camden, NJ
- Assist college level student in problem solving techniques, note-taking skills and time management.
- Subjects tutored: Discrete Math, Physics I & II, Python Programming, Pre-CALC, Intermediate Algebra, College Math, CALC I and CALC I for Bus, Econ & Bio

SAN JOSE STATE UNIVERSITY | LAB FACILITATOR:
October 2017 – Present | San Jose, CA
- Lab facilitator for Math 1005 course. Assist students with problem solving techniques, reinforcement of the topics learnt in lecture and handing out weekly quizzes.

PROJECTS:
- File Searching: Performs a recursive depth directory search or a shallow directory search for all files. Then, filter results based on size/name/extension to the files found and then choose a specific operation like touch, duplicate scan the first line of all files found. (Python)
- N * N Sudoku Solver with GUI: Implemented a N*N Sudoku solver in Java that uses backtracking recursive algorithm to find solutions with the array in place.
- Maps.io: Utilizes the OpenStreetMap API to perform calls and parse the JSON files to gather data like directions, total distance and time, elevation and Geographic coordinates of 2 or more user entered places. (Java and Python)
- SuperMath: Uses Wolfram Alpha API to solve numerous Math Problems like solutions to ODE, Integration, Differentiation, Series and their Generating Functions, Solution to a polynomial, Eigenvalues and Eigenvectors of a matrix etc. (Python)
- Blackjack in C: Text Based version of blackjack.
- Connect4 game implementation using HTML/CSS/JavaScript/JQuery.

ACTIVITES:
- Volunteer at SONC (Special Olympics of Northern California): As a coach and a scorekeeper for various competition organized by SONC like Bowling and Basketball.