

# Jhanvi Lotwala

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**OBJECTIVE:** Graduating senior looking for an entry level role in the software development and data science industry.

## EDUCATION

**B.S. Applied Mathematics, Concentration: Applied & Computational Mathematics,  
Minor in Computer Science**

Dec 2020

San Jose State University, San Jose, CA

**Lower Division Coursework in Computer Science**

Jun 2016-May 2018

Mission College, Santa Clara, CA

## PROJECTS

**Student Management System (Python)**

May 2020

- Created a student management system which stores student information by input of names in the lists.
- Utilized dictionary to map all the students to their marks and find the maximum marks in a particular course.

**Data Structures techniques (Java), SJSU**

Dec 2019

- Utilized master's theorem to solve the recurrence relations in the analysis of divide and conquer algorithms.
- Gained knowledge in Pre-order, Post-order and In-order traversals in BST.
- Utilized Hashing (linear and quadratic probing, separate chaining) and Double Hashing (Rehashing if necessary) to map keys to the values.
- Solved the minimum spanning tree by applying Kruskal and prim's algorithm to find the shortest path between initial point and the ending point.

## RELATED COURSEWORK:

### Math

- Math Modeling
- Applied Algebra
- Numerical Analysis
- Linear Algebra
- Graph Theory
- Discrete Mathematics

### Comp Sci.

- Core Java (OOP)
- Data Structures & Algorithms
- C programming

## SKILLS:

### Coding

- Java
- HTML & CSS
- Python

### Excel

- Pivot tables
- Formulas
- Data Simulation

**TOOLS:** Jupyter Notebook, Eclipse IDE, Terminal (Mac), TextEdit, Github, Visual Studio

## WORK EXPERIENCE

**IT Relocation Technician**, Murphy, McKay & Associates, Lafayette, CA

Sep 2019-present

- Perform disconnect functions of the desktop workstations to prepare for the move, under the supervision of the Project Leader.
- Verify all the systems and components have arrived at the new location and perform reconnect functions including the configuration of workstations and cable management as requested by the client.

## ACTIVITIES

**Braven Fellow**, The Braven Accelerator

Jan 2020-May 2020

- Designed a scavenger hunt for 1<sup>st</sup> and 2<sup>nd</sup> graders to be physically active at home during the quarantine because of COVID-19 with 6 team members as a part of Capstone Challenge.
- Lead the team as a researcher to understand the user needs by contacting the RAFT team, who works with the students and educators from K-12.