**Jhanvi Lotwala**

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

**EDUCATION**

**B.S. Applied Mathematics, Concentration: Applied & Computational Mathematics,**  Dec 2020

**Minor in Computer Science**

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 Comp Sci.

•Math Modeling •Linear Algebra •Core Java (OOP)

•Applied Algebra •Graph Theory •Data Structures & Algorithms

•Numerical Analysis •Discrete Mathematics •C programming

**SKILLS:**

Coding Excel

•Java •Pivot tables

•HTML & CSS •Formulas

•Python •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 1st and 2nd 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.