Yash Dani

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EDUCATION:

University of California, Davis ~ Davis, CA

- **Bachelor of Science in Computer Science**   Expected June 2021
- **GPA:** 3.47 / 4.00
- **Relevant Courses:** Programming and Problem Solving, Software and Object-Oriented Programming, Programming and Data Structures, Introduction to Web Development, and Network Security

WORK EXPERIENCE:

IT and Web Assistant | Joseph Lab (in Davis)   September 2018-Present

- Design, develop, and maintain the pages of Dr. Joseph's website with new material, research, or work using HTML5, CSS3, JavaScript, and jQuery
- Perform syncing between multiple laptops, desktops, and hard drives using SynchBackFree
- Troubleshoot any software or hardware related problems with any lab equipment

Computer Science Tutor | University of California, Davis   January 2018-Present

- Aid students in understanding fundamental concepts of Python, C, and C++ that are both relevant to their coursework and important for developing proficiency in any coding language

PROJECTS:

Help the Homies (HTML5, JavaScript, Bootstrap, Google Maps API, Firebase)   November 2018

- Created a web app that allows members of a community to help the local homeless population
- Applied geolocation and Google Maps to identify homeless people who need resources
- Used Firebase's real-time database to store and maintain the latitude and longitude coordinates

Postfix Calculator (PuTTY, C++)   October 2018

- Designed a calculator that computes postfix expressions (mathematical expressions without parenthesis)
- Built the calculator using a stack that pushes and pops numbers when needed for operations
- Implemented a stack class using a vector with essential member functions like size, pop, and push

Weather Anywhere (HTML5, CSS3, JavaScript, Java, OpenWeatherMap API, Android Studio)   September 2018

- Built an android app using a WebView that provides the weather at any city in the world
- Employed JavaScript to send inputted city to OpenWeatherMap's API and to extract appropriate weather information
- Constructed a class of JavaScript interface functions in the Java code to allow the JavaScript code to run

Calculator (HTML5, CSS3, JavaScript, jQuery)   August 2018

- Fabricated a calculator that can be used with buttons on screen or keys from a keyboard
- Designed using a paragraph element and an HTML5 table of buttons
- Implemented onclick events for buttons on-screen and key-up jQuery events for keyboard keys

Restaurant (PuTTY, C++)   May 2018

- Developed a program that seated people at a restaurant using object-oriented programming
- Created 9 table objects that could hold a different amount of people, with variables for the number of people at a table and the maximum number the table could hold

SKILLS:

- **Programming Languages:** C++, HTML, CSS, JavaScript, C, Python, Java
- **Technologies/Frameworks:** jQuery, PuTTY, Arduino, Linux/Unix OS, Microsoft Offices, Firebase SynchBack, WinSCP, Android Studios