

KADHIRASH SIVAKUMAR

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Education	University of California, Riverside Bachelor of Science, Computer Science, Major GPA: 3.16 Relevant Coursework: Concurrent Programming and Parallel Systems Data Analysis Methods Database Management Systems Information Retrieval Intro. to Numerical Analysis Optimization	<i>Expected Jun. 2020</i>
Technical Skills	Most Experience with: C/C++ Java Python Comfortable with: HTML CSS JavaScript Matlab Git Latex Scrappy pandas Interests: Basketball & Tennis Hiking Chess Helping people Creating apps	
Work Experience	Sivdha Consulting, LLC - Intern <ul style="list-style-type: none">Designed and developed a website (HTML/CSS) by allowing for the company to use the website to manage clients.Analyzed processes, data, and documented suggestions to also improve the productivity of the company. Glowiz Inc. - Intern <ul style="list-style-type: none">Restructured the UI (HTML/CSS) for the website of the company as seen by the increased user activity on the website of ~20% by making navigation easier on the website.Learned about the different types of IT consulting the company utilized, conducted, and handled on a day-to-day basis. Hands4Others - Intern <ul style="list-style-type: none">Analyzed a multitude of campaigns created for Hands4Others by using Google Adwords.Monitored website traffic around the world and noticed a 10% increase in the United States by creating a Coffee4Others campaign.Recorded data of potential users for the Hands4Others campaigns shown by over 100 users visiting the website by analyzing their time of visit and geolocation.	<i>Jul. 2019 - Sept. 2019</i> <i>Jun. 2015 - Dec. 2015</i> <i>Jun. 2015 - Dec. 2015</i>
Projects	Global Warming EDA Project <ul style="list-style-type: none">Analyze data sets of climate trends across various area and compare them to predictions from leading meteorologists and global warming experts.Split into three phases of extracting (Scrappy) the datasets, cleaning the data sets, and performing EDA (pandas). Compiler <ul style="list-style-type: none">Built a compiler (C) for the "mini-L" language.Separated it into three phases: Lexical Analyzer using <i>flex</i>, Parser using <i>bison</i>, and a Code Generator. Twitter Crawler <ul style="list-style-type: none">Made a twitter crawler (Python) that retrieves tweets around Riverside based on the query and outputs the relevant information such as username, tweet, and location.Furthermore, it gave "scores" to tweets to display more relevant tweets first that are related to the user's search query by implementing a BM25 algorithm. Command Shell Software Construction <ul style="list-style-type: none">Created a command shell emulator (C++/Git) that allowed the user to execute commands using ";, &&, " by using a composite design pattern.	<i>Winter 2020</i> <i>Summer 2019</i> <i>Spring 2019</i> <i>Winter 2019</i>
Activities	Undergraduate Research - Researcher <ul style="list-style-type: none">Mathematically modeling the CARRGO model in CAR-T cells in glioblastoma measured by Lotka-Volterra predator-prey equations by writing scripts and functions in Matlab.Worked on optimizing the model to find the best time and percentage for CAR-T cell therapy in glioblastoma by altering the data. Theta Tau: Professional Engineering Fraternity - Scribe <ul style="list-style-type: none">Recorded what happens during general and officer meetings as seen through the 20 meetings every quarter by taking attentive and detailed notes.Oversaw the media and website committees based on new changes to the website and better quality pictures by delegating tasks to those in the committee. SAE: Highlander Racing - Webmaster <ul style="list-style-type: none">Improved the website as demonstrated with feedback to improve the website by making minute changes with Squarespace.	<i>Nov. 2019 - Apr. 2020</i> <i>Feb. 2019 - Apr. 2020</i> <i>Apr. 2019 - Sept. 2019</i>