

## Sidharth Babu

LinkedIn : <https://www.linkedin.com/in/sidharth-babu>  
Github : <https://www.github.com/SidharthBabu121>

Email : [sidharthbabukish121@gmail.com](mailto:sidharthbabukish121@gmail.com)  
Phone : (408)-649-0393

<b>EDUCATION</b>	<b>University of California, Santa Cruz</b> <i>Master of Science</i> , Natural Language Processing <b>University of California, Merced</b> <i>Bachelor of Science</i> , Computer Science and Engineering(CSE) GPA: 3.7	<b>September 2022 - Current</b>  <b>July 2018 - May 2022</b>
	<b>Relevant Coursework:</b> • Data Structures and Algorithms • Algorithm Design and Analysis • Discrete Mathematics • Numerical Methods for Scientists and Engineers • Vector Calculus • Linear Systems • Introduction to Artificial Intelligence	
<b>HONOURS AWARDS</b>	• Chancellor's Honour List • Innovate to Grow Fall : Winter 2019 : Top Finisher • Dean's Honour's List	<b>2019-2021</b> <b>2019</b> <b>2018-2021</b>
<b>TECHNICAL SKILLS</b>	<b>Proficient:</b> Python, Linux(OS/Terminal), Git, Keras, Tensorflow, Numpy, Pandas <b>Familiar :</b> Java, Javascript, C++, HTML, CSS, LaTeX, ReactJS	
<b>TECHNICAL EXPERIENCE</b>	<b>Summer TITANS Research Intern</b> <i>Sandia National Laboratories</i> <ul style="list-style-type: none"><li>Explored correlations and relationships among measured variables and calculated summary statistics for electrical test data collected for Sandia's commercial-off-the-shelf (COTS) program using Python libraries such as pandas, matplotlib, and seaborn.</li></ul> <b>Data Science Challenge Summer Intern</b> <i>Lawrence Livermore National Laboratory</i> <ul style="list-style-type: none"><li>Optimized machine learning methods using Numpy and AstroPy on recent time-domain optical astronomy data to detect, distinguish, and characterize Near Earth Objects (NEOs) include potentially hazardous asteroids that pose a large or even existential threat to humanity.</li></ul> <b>Joint Genome Institute (JGI) Summer Intern</b> <i>Berkeley Labs</i> <ul style="list-style-type: none"><li>Evaluated and optimized a next generation hybrid clustering strategy with Python on the Lawrencium Super-Cluster using a real world metagenomic dataset containing 30,000 reads to solve the big data problem of the metagenomic assembly process.</li></ul> <b>Engineering /Workshop Teamleader</b> <i>HackMerced</i> <ul style="list-style-type: none"><li>Selected amongst a team of 10 to help construct the FAQ, and Sign Up Components with React.JS, HTML and CSS to better streamline the main dashboard of the HackMerced's Official Site and HackMerced IV's live site affecting over 300+ college students.</li></ul>	<b>May 2022 - August 2022</b>    <b>May 2021 - June 2021</b>    <b>June 2020 - August 2020</b>    <b>June 2019 - May 2020</b>
<b>PROJECTS</b>	<b>Project Protect: Healthy Host</b> <ul style="list-style-type: none"><li>Implemented the Hmong, English and Spanish Section using React Native in a multi-platform app while updating a maintenance manual for non-coders with the Content Team to facilitate new markets and better serve the existing 500+ client base to improve access to healthcare for the multi-ethnic communities in Merced County.</li><li>Competed in the community wide Fall 2019 Innovate to Grow Competition at UC Merced and was Issued a certification and cash prize of over \$2,500 in recognition as the top finisher.</li></ul>	<b>August 2019</b>
<b>LEADERSHIP ACTIVITES</b>	<b>Co-Founder and Treasurer</b> <i>Electrical Engineer's Society of UC Merced(EES)</i> Interfaced with ASUCM to secure over a \$1900 for projects to spark and guide people's interest in science and technology while engaging in professional networking.	<b>August 2018 - August 2019</b>