

Sidharth Babu

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EDUCATION	University of California, Merced <i>Bachelor of Science, Computer Science and Engineering(CSE)</i> GPA: 3.7	July 2018 - May 2022
	Relevant Coursework: • Data Structures and Algorithms • Algorithm Design and Analysis • Discrete Mathematics • Numerical Methods for Scientists and Engineers • Vector Calculus • Introduction to Artificial Intelligence	
HONOURS AWARDS	• Chancellor's Honour List • Innovate to Grow Fall : Winter 2019 : Top Finisher • Dean's Honour's List	2019-2020 2019 2018-2021
TECHNICAL SKILLS	Proficient: Python, Linux(OS/Terminal), Git, Keras, Tensorflow, Numpy, Pandas Familiar : Java, Javascript, C++, HTML, CSS, LaTeX, ReactJS	
TECHNICAL EXPERIENCE	Data Science Challenge Summer Intern <i>Lawrence Livermore National Laboratory</i>	May 2021 - June 2021
	<ul style="list-style-type: none">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.	
	Joint Genome Institute (JGI) Summer Intern <i>Berkeley Labs</i>	June 2020 - August 2020
	<ul style="list-style-type: none">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.	
	Engineering /Workshop Teamleader <i>HackMerced</i>	June 2019 - May 2020
	<ul style="list-style-type: none">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.	
	Coding Team Member (Project Protect) <i>The Foster Family Center for Engineering Service Learning(ESL)</i>	August 2019 - December 2019
	<ul style="list-style-type: none">Implemented the Audio Files with React Native for the Hmong, English and Spanish Section 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.	
PROJECTS	Tumor Classifier ML	January 2020
	<ul style="list-style-type: none">Developed a Naive Bayes classifier using SciKit-Learn and Python to predict whether or not a tumor is malignant or benign from the Breast Cancer Wisconsin Diagnostic Database.	
	Project Protect: Healthy Host	August 2019
	<ul style="list-style-type: none">Developed a working multi-platform mobile application to improve access to healthcare for the multi-ethnic communities in Merced County.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.	
LEADERSHIP ACTIVITES	Co-Founder and Treasurer <i>Electrical Engineer's Society of UC Merced(EES)</i>	August 2018 - August 2019
	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.	