

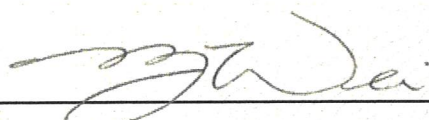
# *Certificate of Recognition*

Presented to

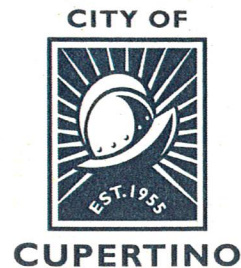
*Aakash Kumar*

February 21, 2023

in recognition of your performance in the Santa Clara County  
2022 Synopsys Championship Science Fair with your project  
"Applying adversarial networks to create perturbation  
resistant image recognition for Self Driving cars."

  
Hung Wei  
Mayor





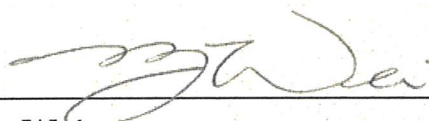
# *Certificate of Recognition*

Presented to

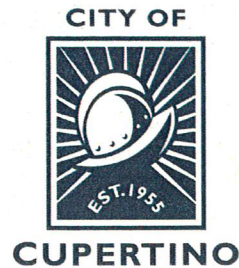
*Aaryan Doshi*

February 21, 2023

in recognition of your performance in the Santa Clara County  
2022 Synopsys Championship Science Fair with your project  
"A Deep Learning Pipeline for Drought Assessment using  
Spatial Satellite Images and Dense Neural Networks."

  
Hung Wei  
Mayor





# *Certificate of Recognition*

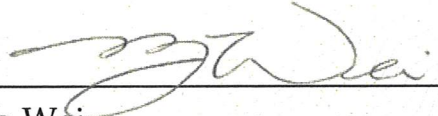
Presented to

*Adhip Raghunathan*

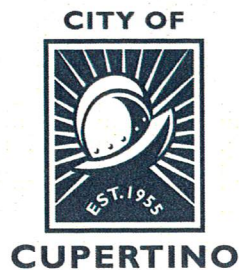
February 21, 2023

in recognition of your performance in the Santa Clara County  
2022 Synopsys Championship Science Fair with your project

"Utilizing Light Diffraction to Cheaply and  
Autonomously Detect Microplastics in Our Water."

  
Hung Wei  
Mayor





# *Certificate of Recognition*

Presented to

*Aditi Vaduri*

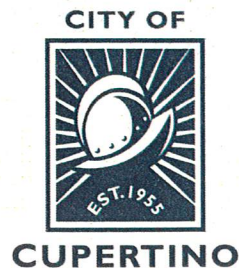
February 21, 2023

in recognition of your performance in the Santa Clara County  
2022 Synopsys Championship Science Fair with your project  
"Decoding The Unpredictable Behaviors Of ASD Students."

A handwritten signature in dark ink, appearing to read 'Hung Wei', is written over a horizontal line.

Hung Wei  
Mayor





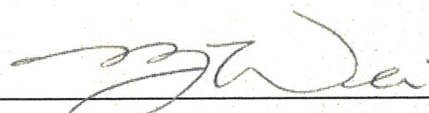
# *Certificate of Recognition*

Presented to

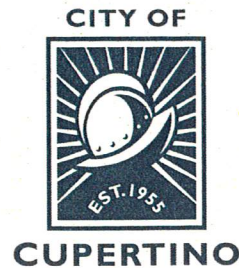
*Aditya Rao*

February 21, 2023

in recognition of your performance in the Santa Clara County  
2022 Synopsys Championship Science Fair with your project  
"EyeWalk: A Computer Vision Based Wearable Device  
to Aid the Navigation of the Visually Impaired."

  
Hung Wei  
Mayor





# *Certificate of Recognition*

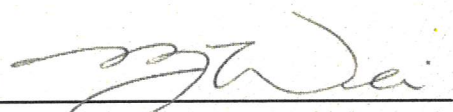
Presented to

*Amanjyoti Mridha*

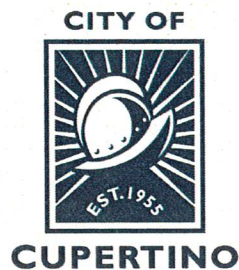
February 21, 2023

in recognition of your performance in the Santa Clara County  
2022 Synopsys Championship Science Fair with your project

"The usage of deep neural networks for generating  
large artificial image datasets from limited data."

  
Hung Wei  
Mayor





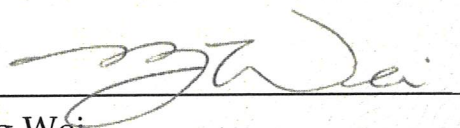
# *Certificate of Recognition*

Presented to

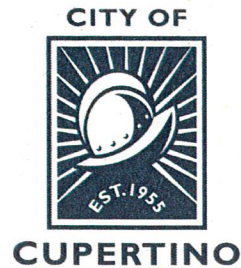
*Amy Zheng*

February 21, 2023

in recognition of your performance in the Santa Clara County  
2022 Synopsys Championship Science Fair with your project  
"A machine learning approach to exoplanet prediction  
through pattern analysis using the transit method."

  
Hung Wei  
Mayor





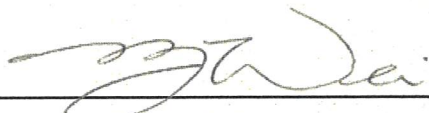
# *Certificate of Recognition*

Presented to

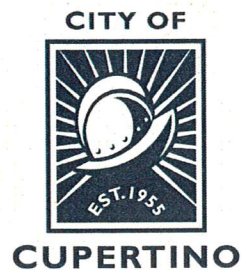
*Anagha Badriprasad*

February 21, 2023

in recognition of your performance in the Santa Clara County  
2022 Synopsys Championship Science Fair with your project  
"NeutralNet:Renal Cancer Recall Compensation via a Fine-grained  
Lagrangian DNN Loop with Universal Anti-bias Applications."

  
Hung Wei  
Mayor





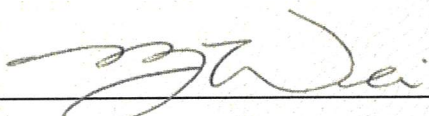
# *Certificate of Recognition*

Presented to

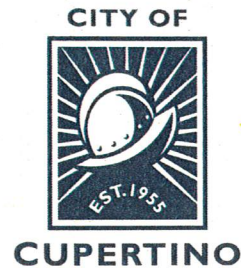
*Ansh Thakkar*

February 21, 2023

in recognition of your performance in the Santa Clara County  
2022 Synopsys Championship Science Fair with your project  
"A Raspberry Pi based automatically maintained and  
monitored Hydroponics system."

  
Hung Wei  
Mayor






# *Certificate of Recognition*

Presented to

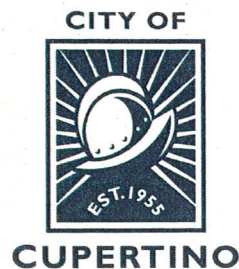
*Anusha Chittari*

February 21, 2023

in recognition of your performance in the Santa Clara County  
2022 Synopsys Championship Science Fair with your project  
"Health Coach: a chatbot catering dietary and exercise recommendations  
to those with pre-diabetic and diabetic conditions."

  
Hung Wei  
Mayor






# *Certificate of Recognition*

Presented to

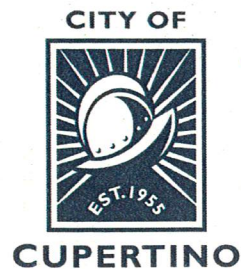
*Brian Chen*

February 21, 2023

in recognition of your performance in the Santa Clara County  
2022 Synopsys Championship Science Fair with your project  
"First Identification of Cratonic Upper-Mantle Earthquakes in Canada."

  
Hung Wei  
Mayor





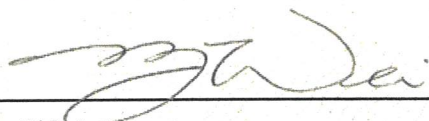
# *Certificate of Recognition*

Presented to

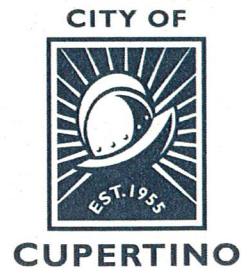
*Christopher Sun*

February 21, 2023

in recognition of your performance in the Santa Clara County  
2022 Synopsys Championship Science Fair with your project  
"Geocentric Pose Analysis of Satellite Imagery Using Deep Learning."

  
Hung Wei  
Mayor






# *Certificate of Recognition*

Presented to

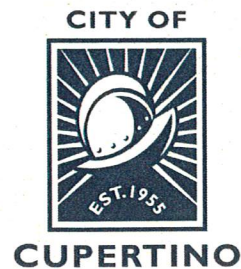
*Daniel Lin*

February 21, 2023

in recognition of your performance in the Santa Clara County  
2022 Synopsys Championship Science Fair with your project  
"A method to simplify AgZn alloy IR refractive index calculation."

  
Hung Wei  
Mayor





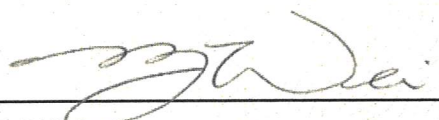
# *Certificate of Recognition*

Presented to

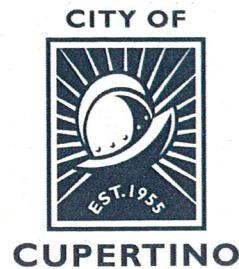
*Edwin Li*

February 21, 2023

in recognition of your performance in the Santa Clara County  
2022 Synopsys Championship Science Fair with your project  
"Design and construction of a dry food dispenser  
for disabled people to eat easily."

  
Hung Wei  
Mayor





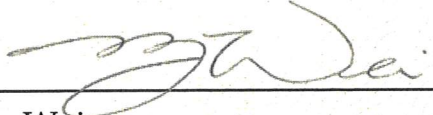
# *Certificate of Recognition*

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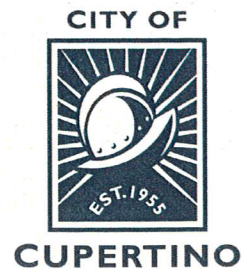
*Emily Kwan*

February 21, 2023

in recognition of your performance in the Santa Clara County  
2022 Synopsys Championship Science Fair with your project  
"ReefAtlas: A Novel Machine Learning Model to Predict  
and Map Coral Reef Bleaching."

  
Hung Wei  
Mayor





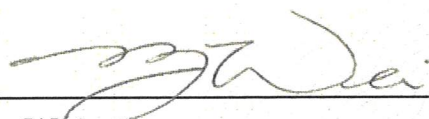
# *Certificate of Recognition*

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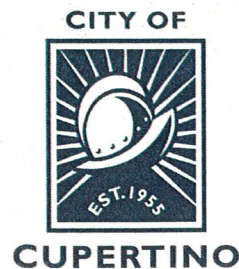
*Ethan Liu*

February 21, 2023

in recognition of your performance in the Santa Clara County  
2022 Synopsys Championship Science Fair with your project  
"The Effect of Iron in Drinking Water as a Potential Inducer of Cataracts."

  
Hung Wei  
Mayor





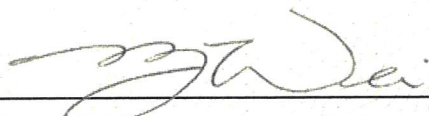
# *Certificate of Recognition*

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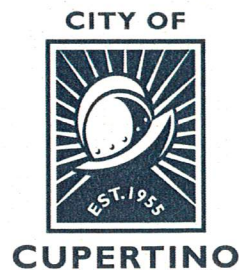
*Gaurvik Paul*

February 21, 2023

in recognition of your performance in the Santa Clara County  
2022 Synopsys Championship Science Fair with your project  
"Profiling ACE2 receptor diversity to uncover  
novel SARS-CoV-2 animal reservoirs."

  
Hung Wei  
Mayor





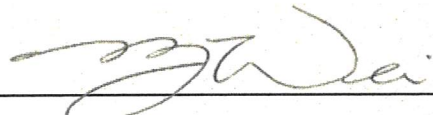
# *Certificate of Recognition*

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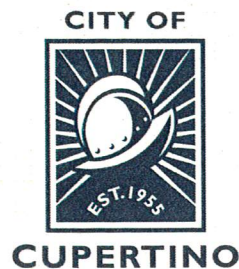
*Hankyu Koo*

February 21, 2023

in recognition of your performance in the Santa Clara County  
2022 Synopsys Championship Science Fair with your project  
"Portable Refrigerator for Transporting COVID Vaccine."

  
Hung Wei  
Mayor





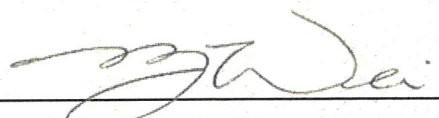
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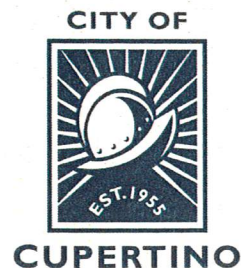
*Iniyaa Suresh*

February 21, 2023

in recognition of your performance in the Santa Clara County  
2022 Synopsys Championship Science Fair with your project  
"The effect of Lactobacillus Acidophilus on glucose intolerance induced  
by artificial sweeteners in Drosophila Melanogast."

  
Hung Wei  
Mayor





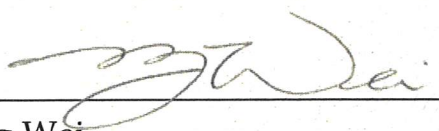
# *Certificate of Recognition*

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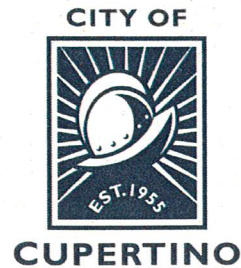
*Ishani Das*

February 21, 2023

in recognition of your performance in the Santa Clara County  
2022 Synopsys Championship Science Fair with your project  
"An Artificial Intelligence (AI) based Decision Support Tool  
to assist doctors with patient diagnosis and treatment."

  
Hung Wei  
Mayor





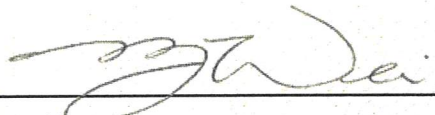
# *Certificate of Recognition*

Presented to

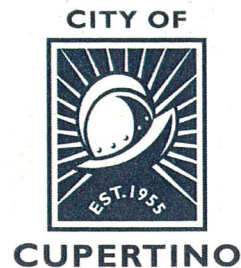
*Jai Sharma*

February 21, 2023

in recognition of your performance in the Santa Clara County  
2022 Synopsys Championship Science Fair with your project  
"Geocentric Pose Analysis of Satellite Imagery Using Deep Learning."

  
Hung Wei  
Mayor





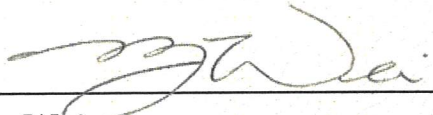
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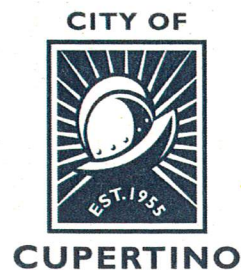
*Jonathan Szeto*

February 21, 2023

in recognition of your performance in the Santa Clara County  
2022 Synopsys Championship Science Fair with your project  
"A Cost-Effective Method Using Ash to Improve the Efficacy  
of Oil Spill Bioremediation with *Bacillus subtilis*."

  
Hung Wei  
Mayor





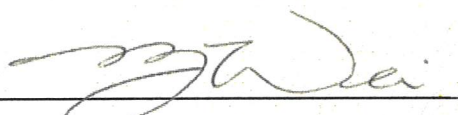
# *Certificate of Recognition*

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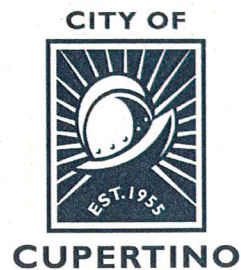
*Krishiv Bhatia*

February 21, 2023

in recognition of your performance in the Santa Clara County  
2022 Synopsys Championship Science Fair with your project  
"Voice-interactive kitchen helper robot for the visually impaired and handicapped."

  
Hung Wei  
Mayor





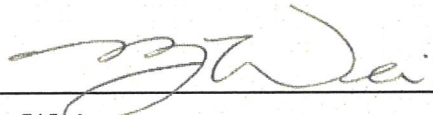
# *Certificate of Recognition*

Presented to

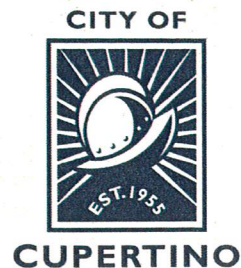
*Milind Maiti*

February 21, 2023

in recognition of your performance in the Santa Clara County  
2022 Synopsys Championship Science Fair with your project  
"Geocentric Pose Analysis of Satellite Imagery Using Deep Learning."

  
Hung Wei  
Mayor





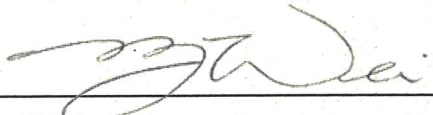
# *Certificate of Recognition*

Presented to

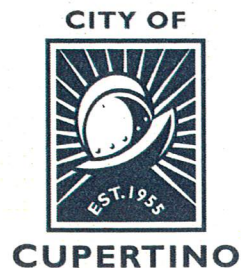
*Mridula Srinivasan*

February 21, 2023

in recognition of your performance in the Santa Clara County  
2022 Synopsys Championship Science Fair with your project  
"Using *Drosophila Melanogaster* to Model the Effects of  
*Helianthus Annuus* on Amyotrophic Lateral Sclerosis (ALS)."

  
Hung Wei  
Mayor





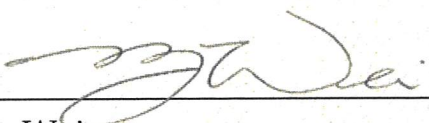
# *Certificate of Recognition*

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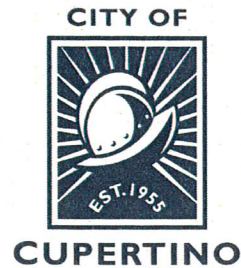
*Nidhya Shivakumar*

February 21, 2023

in recognition of your performance in the Santa Clara County  
2022 Synopsys Championship Science Fair with your project  
"Real-Time Analysis of Aerial Images Using Deep Learning  
to Identify Critical Areas in Natural Disasters."

  
Hung Wei  
Mayor





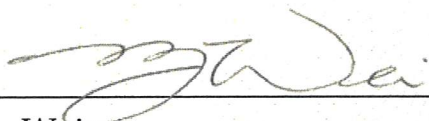
# *Certificate of Recognition*

Presented to

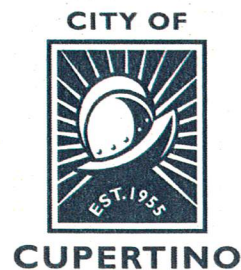
*Orchita Chakraborty*

February 21, 2023

in recognition of your performance in the Santa Clara County  
2022 Synopsys Championship Science Fair with your project  
"Protecting Coral Reefs from Oil Spills using a Bio-inspired Underwater ROV  
with Chitosan and Unified Google Earth Model."

  
Hung Wei  
Mayor





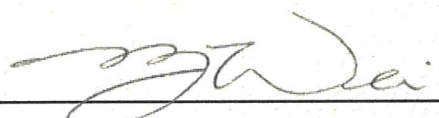
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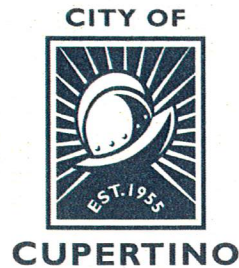
*Pranav Amarnath*

February 21, 2023

in recognition of your performance in the Santa Clara County  
2022 Synopsys Championship Science Fair with your project  
"U.S. Pollution: Analyzing Air Quality from 4 Major Pollutants Since 2000."

  
Hung Wei  
Mayor





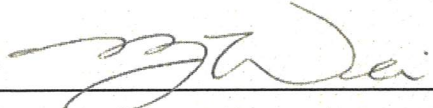
# *Certificate of Recognition*

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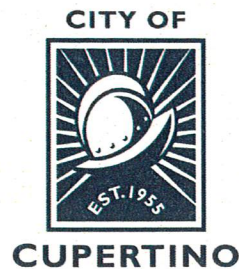
*Praneel Shah*

February 21, 2023

in recognition of your performance in the Santa Clara County  
2022 Synopsys Championship Science Fair with your project  
"The Bio W.H.E.B: A Low-Cost Device For On-Site  
Resource Production On Future Lunar Habitats."

  
Hung Wei  
Mayor





# *Certificate of Recognition*

Presented to

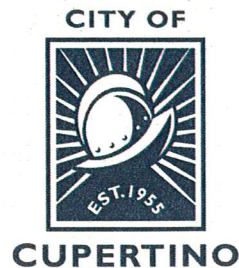
*Raymond Feng*

February 21, 2023

in recognition of your performance in the Santa Clara County  
2022 Synopsys Championship Science Fair with your project  
"An improved algorithm to generate support structure  
for 3D printing overhangs."

  
Hung Wei  
Mayor





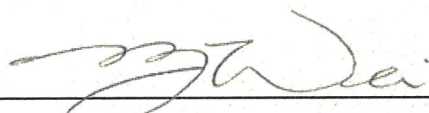
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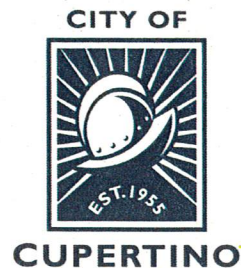
*Rishab Perati*

February 21, 2023

in recognition of your performance in the Santa Clara County  
2022 Synopsys Championship Science Fair with your project  
"Predictive Modelling using Urinary Biomarkers  
for Early Detection of Pancreatic Cancer."

  
Hung Wei  
Mayor





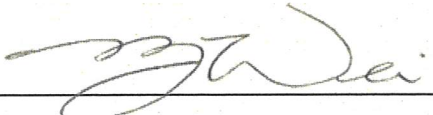
# *Certificate of Recognition*

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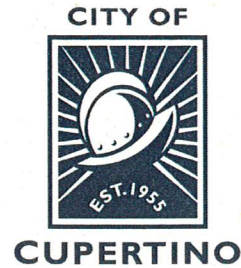
*Riya Abiram*

February 21, 2023

in recognition of your performance in the Santa Clara County  
2022 Synopsys Championship Science Fair with your project  
"Investigating the Causes of Structural Alterations in Human Cancer."

  
Hung Wei  
Mayor





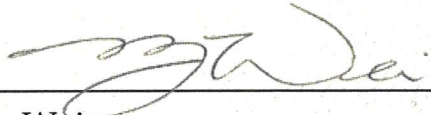
# *Certificate of Recognition*

Presented to

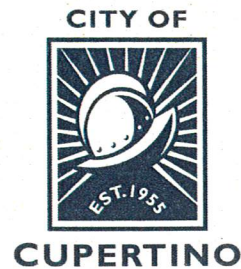
*Rory Hu*

February 21, 2023

in recognition of your performance in the Santa Clara County  
2022 Synopsys Championship Science Fair with your project  
"The Effects of Pesticides, Caffeine & Tea Polyphenols on the  
Visual and Olfactory Learning and Memory of the Honey Bee."

  
Hung Wei  
Mayor





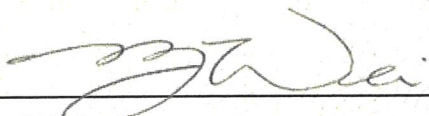
# *Certificate of Recognition*

Presented to

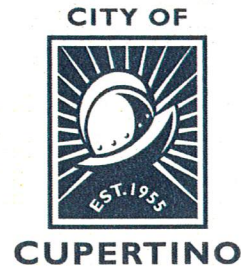
*Samhita Srivatsan*

February 21, 2023

in recognition of your performance in the Santa Clara County  
2022 Synopsys Championship Science Fair with your project  
"Projecting the Urban Heat Island Effect Using  
Historical Climate Trends and Land Use-Land Cover."

  
Hung Wei  
Mayor





# *Certificate of Recognition*

Presented to

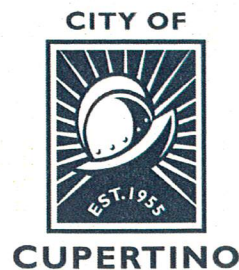
*Shridhula Srinivasan*

February 21, 2023

in recognition of your performance in the Santa Clara County  
2022 Synopsys Championship Science Fair with your project  
"Using *Drosophila Melanogaster* to Model the Effects of  
*Helianthus Annuus* on Amyotrophic Lateral Sclerosis (ALS)."

  
Hung Wei  
Mayor





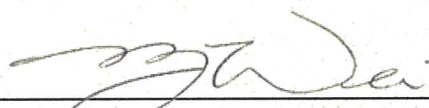
# *Certificate of Recognition*

Presented to

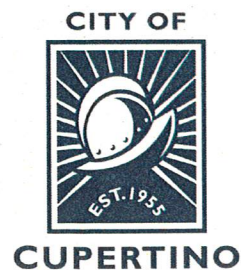
*Siddharth Navale*

February 21, 2023

in recognition of your performance in the Santa Clara County  
2022 Synopsys Championship Science Fair with your project  
"Determining Food Spoilage Using a Regression Model of Byproducts  
from Enzymatic Breakdown of Fats and Proteins."

  
Hung Wei  
Mayor





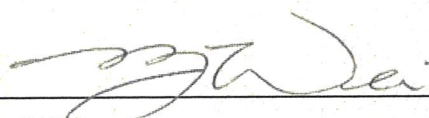
# *Certificate of Recognition*

Presented to

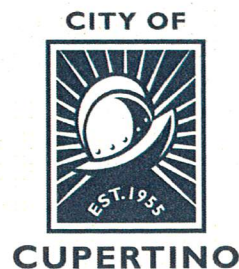
*Sneha Muppalla*

February 21, 2023

in recognition of your performance in the Santa Clara County  
2022 Synopsys Championship Science Fair with your project  
"Detecting Deepfakes Using Machine Learning on Audio to  
Prevent Misinformation that has a Harmful Impact on Humanity."

  
Hung Wei  
Mayor





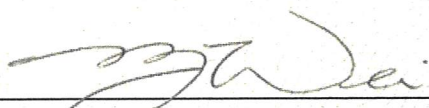
# *Certificate of Recognition*

Presented to

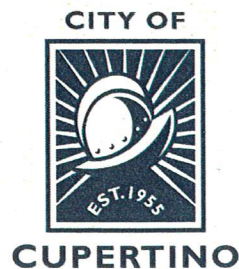
*Sonny Lowe*

February 21, 2023

in recognition of your performance in the Santa Clara County  
2022 Synopsys Championship Science Fair with your project  
"Detecting, Charting, and Predicting Tent Cities Using  
Satellite Imaging and YOLO recognition algorithms."

  
Hung Wei  
Mayor





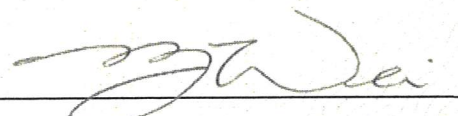
# *Certificate of Recognition*

Presented to

*Yashnil Saha*

February 21, 2023

in recognition of your performance in the Santa Clara County  
2022 Synopsys Championship Science Fair with your project  
"Automating Human Sleep Staging Analysis from Polysomnographic Recordings  
with a Discrete Hidden Markov Predictive Model."

  
Hung Wei  
Mayor