

PRAGAT JAY MUTHU

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EDUCATION

- Aug '18-Present **University of Texas at Austin**
Biology major, Economics Minor, and Business of Healthcare Certificate
GPA: 4.0/4.0 (*All Sem: University Honors*)
- Aug '16-May '18 **Texas Academy of Mathematics and Science (TAMS)**
University of North Texas, Denton, TX
GPA: 3.918/4.00 (*1st Sem: President's List; 2nd Sem: Dean's List; 3rd Sem: Dean's List, 4th Sem: President's List*)

WORK EXPERIENCE

- Jan '21-May '21 **University of Texas at Austin, Austin, TX** 7 hrs/wk; 13 wks/yr
Teaching Assistant to Dr. Peter King
· Assisted in teaching of the Microbiology course
· Lead discussion sessions and review sessions
· Graded assignments and exams
- Jan '21-May '21 **Austin Speech Labs, Austin, TX** 3 hrs/wk; 13 wks/yr
Volunteer
· Working with stroke survivors on speech therapy
- Jun '20-Aug '20 **CDC, Atlanta, GA**
Research Internship – Malaria Department
- Jan '20-May '20 **Austin Speech Labs, Austin, TX** 6 hrs/wk; 13 wks/yr
Volunteer
· Working with stroke survivors on speech therapy
- Jun '19-Aug '19 **CDC, Atlanta, GA** 40 hrs/wk; 10 wks/yr
Research Internship – Malaria Department
· Creation of a new classification of malaria parasites
· Primer generation and testing
· general Lab procedures
- Jan '19-May '19 **University of Texas, Austin, TX** 5 hrs/wk; 13 wks/yr
Safe Sleep Team – Dell Childrens
· Implementation of Sleep Sacks for infants
· Prevention of SIDS in various units
· Determining Laundering and storage for sleep sacks
- Jun '17-Aug '17 **University of Texas Southwestern, Dallas, TX** 40 hrs/wk; 10 wks/yr
Research Internship – Patel Lab
· Histochemistry of kidney cells
· Data Analysis and Data collection
· General Lab procedures

SHADOWING EXPERIENCE

Mar '21	Methodist Charlton, Dallas, TX Shadowed Dr. Kankanala.- Gastroenterologist <ul style="list-style-type: none">Shadowed Dr. Kankanala. during inpatient rounds and procedures	
Mar '21	Texas Oncology, Dallas, TX Shadowed Dr. Gandhi - Hematology-Oncology Clinic <ul style="list-style-type: none">Shadowed Dr. Gandhi at outpatient clinic and meetings	
June '20- present	Virtual Shadowing Participated in a virtual shadowing program <ul style="list-style-type: none">A variety of specialities across Physicians, Nurses, PA's etc	2 hrs/wk; 20 wks/yr
January '19	Methodist Dallas Shadowed Dr. Irfan- Transplant Nephrology <ul style="list-style-type: none">Shadowed Dr. Irfan during kidney transplant patients' rounds	
January '19	Methodist Charlton Shadowed Dr. Patel- cardiologist <ul style="list-style-type: none">Shadowed Dr. Patel during cardiology patients' roundsObserved stress tests and cardiac catheterization procedures	
June '18	ANP Nursing Home, Tamil Nadu, India Shadowed Dr. Arul- Internal medicine <ul style="list-style-type: none">Shadowed Dr. Arul, in his hospital, during general internal medicine patients' rounds	
June '18	Government hospital, Coimbatore, India Shadowed Dr. Chakravarthy- cardiologist <ul style="list-style-type: none">Observed various cardiac catheterization procedures	
Jan '18-Jan '18	Texas Oncology, Dallas, TX Shadowed Dr. Gandhi - Hematology-Oncology Clinic <ul style="list-style-type: none">Shadowed Dr. Gandhi at outpatient clinic and meetingsShadowed Dr. Gandhi during business meetings with innovative healthcare technologies	20 hrs/wk; 2 wks/yr

ACTIVITIES

Home cooked Fridays

Kongu Youth Association

Working towards planning a national youth meetup for members of the Kongu cultural group

Dell Medical Door Screening

Screening individuals at entrances for symptoms of COVID-19 in order to prevent exposure of patients and employees.

CovEd

A mentoring program that is involved in helping matching students that are having an education that is displaced due to Covid-19 with undergraduate students and above to help provide a proper education.

- Working to help provide resources to both mentors and mentees alongside working in an outreach capacity

MedHacks

A hackathon to find creative solutions for medical issues such as patient safety

- Created a platform through which academics can collaborate and explain research articles in simple terms for the public

AMSA- American Medical Student Association

An organization that benefits pre-medical students by facilitating guest lecturers, medical resources, volunteering, and organizing medical related events.

- 50+ hours of volunteering in various AMSA activities from Austin area AIDS prevention groups to the central Texas food bank.

UT Science Olympiad

A UT Austin organization to promote science learning through the Science Olympiad national competition

- Lead internal operations, alongside constitution modification, internal socials, and interaction with university administration for logistics as Operations Director
- Lead creation of exams, recruitment and organization of event supervisors, and lead logistics of tournament day as Study Events Coordinator
- Conducted annual invitational and regional competition for over 500 people
- Coordinated the logistics for the teams, event supervisors and other portions.
- Created exams for and proctored multiple events and coordinated various event day items.

HONORS AND AWARDS

- University of Texas at Austin: Distinguished College Scholars
- University of North Texas: Dean and President's lists
- University of Texas at Austin: University honors

RELEVANT COURSES

Completed:

- Biology and Chemistry I/II courses/lab
- Organic Chemistry I/II course/lab
- Psychology
- Medical Terminology
- Statistics
- Principles and Intermediate Microeconomics
- Calculus I/II/III
- Economics of Health Care
- Biostatistics
- Biostatistics Lab- with focus on R software
- Macroeconomics
- Genetics
- The dr./Patient relationship
- Intro to Health and Society
- Genetics lab
- Nutrition
- Evolution
- Healthcare Systems Management
- Biochemistry
- Accounting
- Human Biology
- Medical Terminology
- Digital Graphics Communication
- Communication in Healthcare Settings
- Humans Systems Physiology
- Healthcare Operations Management
- Microbiology
- Autism Spectrum Disorder
- Inventors Program Practicum
- Healthcare Law and Policy
- Intro into Philosophy of the Arts