

Pranav Yadati

pranavy@bu.edu - (734) 890-6742 - Boston, MA

EDUCATION

- **Boston University** **September 2023-May 2025**
 - M.S. in Medical Sciences
- **University of Michigan** **September 2017-May 2020**
 - Undergraduate Major: Neuroscience
- **Boston University** **August 2016-May 2017**

PROFESSIONAL EXPERIENCE

- **Graduate Research Assistant** **March 2024-Present (Full-time)**
Boston University – Chitalia Lab
 - Utilizing cellular imaging techniques to visualize proteins related to vascular disease pathogenesis
 - Recruiting patients receiving hemodialysis for a project aimed at improving measurement of fluid loss during dialysis
 - Presented pioneering work about mechanisms of peritoneal dialysis failure at an international science and medicine conference hosted by the American Society of Nephrology
- **Clinical Research Coordinator** **July 2021-August 2023 (Full-time)**
Boston Medical Center - Waikar Lab
 - Co-authored academic paper about patient perspectives on use of race-based clinical algorithms
 - Ensured proper execution of study procedures such as kidney biopsies, home visits, and drug infusions
 - Spearheaded research project aimed at identifying barriers to healthcare faced by patients in renal clinic at BMC
 - Recruited patients for research projects related to kidney diseases via EPIC chart review
 - Collected and managed patient data and biosamples for a kidney biorepository and multi-site national study
 - Conducted lab techniques such as DNA isolation and spectrophotometry
- **AmeriCorps Member** **September 2020-June 2021 (Full-time)**
City Year Boston
 - Taught 9th and 10th grade math classes at the English High School in Boston
 - Designed targeted interventions to improve attendance rates of 5 students at risk of dropping out
 - Facilitated extra-curricular activities to promote student engagement and socialization during virtual learning
- **Peer Tutor** **May 2019-April 2020 (Part-time)**
Science Learning Center
 - Tutored University of Michigan students in 200-level neuroscience and physics courses
- **Research Assistant** **June 2017-March 2020 (Part-time)**
Sarter Lab
 - Trained rats in a Sustained Attention Task (SAT) and collected data to study the role of cholinergic cortico-striatal projections in attention modulation
 - Performed amperometric recordings to quantify acetylcholine release during the SAT
 - Conducted stereotaxic surgeries on rats to place probes in brain areas of interest
 - Mentored incoming undergraduate research assistants in lab procedures and data management
 - Designed a strength test to study the effect of the I89V Choline Transporter mutation on neuromuscular junctions in mice

VOLUNTEER ACTIVITIES

- **Kids in Tech** **January 2024-May 2024**
 - Oversaw afterschool program for students in an underserved area who are interested in pursuing careers in STEM
- **Suffolk County Correctional Facilities** **February 2023-Present**
 - Conducting health education classes on topics including safe drug use and mental health for incarcerated individuals
- **Paper Airplanes** **September 2018-Present**
 - Teaching English grammar and vocabulary to people affected by the Syrian crisis to prepare them for TOEFL and IELTS exams
- **Michigan Pre-Med Advising Community** **September 2018-December 2019**
 - Advised first and second-year undergraduates on the pre-med track by discussing what to expect from certain courses, and ways to strengthen their medical college applications
- **Peace Neighborhood Center** **September 2018-December 2019**
 - Tutored middle school students from underprivileged Ann Arbor areas in various school subjects

PUBLICATIONS

- Schmidt, I.M., Shohet, M., Serrano, M. *et al.* Patients' Perspectives on Race and the Use of Race-Based Algorithms in Clinical Decision-Making: a Qualitative Study. *J GEN INTERN MED* (2023). <https://doi.org/10.1007/s11606-023-08035-4>

QUALIFICATIONS AND CAPABILITIES

- Highly developed writing skills from research experience reading, critiquing, and producing scientific literature
- Proficiency in data management via REDCap, Microsoft Office Suite, and Google Workspace
- Experience with lab techniques such as immunocytochemistry, qPCR, Western Blot, and protein purification