

Vivan Tadakamalla

Atlanta, GA • 770-626-9767 • vivan.tadakamalla@gmail.com • <https://www.linkedin.com/in/vivan-tadakamalla> • U.S. Citizen

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY (Georgia Tech; GT)

Atlanta, GA

College of Sciences - Bachelor of Science in Neuroscience

August 2023 – May 2026

- **Minors:** Psychology & Health and Medical Sciences
- **Awards:** Zell Miller Scholarship (100% tuition), GT PURA, Faculty Honors, Dean's List

GPA: 3.98

UNIVERSITY OF EDINBURGH

Edinburgh, UK

Study Abroad

June 2024 – July 2024

- **Coursework:** Behavioral Neuroscience & Cognitive Psychology

RESEARCH

EMORY DEPARTMENT OF HEMATOLOGY & MEDICAL ONCOLOGY – BHATT LAB

Atlanta, GA

Undergraduate Researcher

May 2025 – Present

Project Aim: Investigate clonal heterogeneity in drug-resistant AML to identify combination therapy targets

- Studied clonal heterogeneity in AML PDX models using high-throughput genomics and functional technologies
- Developed RNA-Seq pipelines in R and utilized DepMap to identify therapeutic targets for chemoresistance
- Performed flow cytometry to profile AML cell populations and created figures using BioRender

EMORY DEPARTMENT OF PEDIATRICS – KUGATHASAN LAB

Atlanta, GA

Undergraduate Researcher

August 2025 – Present

Project Aim: Investigate Crohn's disease pathology and gut microbiome interactions to advance clinical understanding

- Contributed to a novel case report on a unique Crohn's disease presentation through clinical data analysis
- Supported clinical trials through data collection and analysis in R and Python

GEORGIA TECH VERTICALLY INTEGRATED PROJECT (VIP) – GRAPHIC MEDICINE

Atlanta, GA

User-Testing Project Lead

January 2024 – Present

Project Aim: Investigate efficacy of graphic medical literature on patient understanding and engagement

- Conducted a literature review on user testing methodologies applicable to graphic medicine evaluation
- Participated in user testing to assess patient comprehension of health-focused graphic comics

UGA-WINSHIP CANCER RESEARCH SUMMIT

Atlanta, GA

Presenter

March 2026

- Presented “FDX1 and ARAF are Mediators of Persistent Survival in Acute Myeloid Leukemia” to participants including undergraduate and graduate students and research faculty
- Abstract accepted and published in symposium proceedings

GT FALL UNDERGRADUATE RESEARCH SYMPOSIUM

Atlanta, GA

Presenter

November 2025

- Presented “Acute Inflammatory Demyelinating Polyneuropathy in a Pediatric Patient with Refractory Ulcerative Colitis on Ustekinumab-Upadacitinib Dual-Targeted Therapy: A Case Report” to participants including undergraduate and graduate students and research faculty
- Abstract submitted, accepted, and presented at symposium

GT SPRING NEUROSCIENCE RESEARCH SYMPOSIUM

Atlanta, GA

Presenter

April 2024

- Presented “Goal-Directed Learning and Interneuron Deficits in Alzheimer's Disease” to participants including undergraduate and graduate students and research faculty
- Published abstract for submission and presentation

PETIT INSTITUTE FOR BIOENGINEERING AND BIOSCIENCE – SINGER LAB

Atlanta, GA

Undergraduate Researcher

August 2023 – December 2024

Project Aim: Investigate interneuron deficits in Alzheimer's disease and their role in hippocampal inhibition

- Analyzed hippocampal inhibition in healthy vs. 5XFAD mutant mice to model interneuron dysfunction
- Processed brain activity and interneuron count data using MATLAB, R, and Python to assess disease severity
- Applied imaging techniques to quantify interneuron populations across hippocampal regions
- Conducted statistical analyses linking interneuron deficits to cognitive decline markers

EXPERIENCE

METRO ATLANTA AMBULANCE SERVICE

Atlanta, GA

Emergency Medical Technician – Basic (EMT-B)

July 2025 – Present

- Provide emergency patient care including rapid assessment, stabilization, and transport in pre-hospital environments
- Communicate effectively with patients and families during high-stress emergencies to ensure comfort and informed care
- Assist with critical life support procedures including airway management and cardiac emergencies

CENTRAL OUTREACH AND ADVOCACY CENTER

Marietta, GA

Social Work Internship

December 2025 – Present

Project Aim: *Support homeless individuals in obtaining vital identification documents and advocate for policy reform*

- Assisted homeless clients in securing birth certificates, state IDs, and Social Security cards
- Lobbied at the Georgia State Capitol advocating for legislation supporting homeless populations
- Coordinated fundraising efforts and organized a 5K for homeless awareness and charitable support

CRISIS TEXT LINE

Remote

Crisis Counselor

October 2025 – Present

- Provided crisis intervention and active listening through confidential text-based conversations for individuals in distress
- Applied safety planning and nonjudgmental communication in collaboration with mental health professionals

UNDERGRAD DEGREE PROGRAM (GEORGIA TECH)

Atlanta, GA

Teaching Assistant BIOS 1108: Organismal Biology

January 2025 – Present

- Share student input, concerns, and feedback into the current and future development of the course regarding assignments, grading, review sessions, and various student needs with the professors
- Host multiple review sessions for students regarding assessments (exams, quizzes, and projects)

LONGSTREET CLINIC

Braselton, GA

Hematology & Oncology Shadow

January 2025 – May 2025

- Monitored patients during chemotherapy, immunotherapy, and blood transfusions while tracking tumor progression
- Shadowed oncologists observing diagnosis, treatment planning, and follow-ups for geriatric hematology patients

CHILDREN'S HEALTHCARE OF ATLANTA

Atlanta, GA

Pediatric Gastroenterology Intern

August 2024 – December 2024

- Guided patients through clinical trial procedures and monitored clinical progression across varying disease presentations
- Shadowed clinicians treating pediatric patients ages 4-16 with IBS, IBD, and Crohn's disease

EMORY WINSHIP CANCER INSTITUTE

Atlanta, GA

Clinical Runner

January 2024 – December 2024

- Guided pre-operative patients through intake, ensuring comfort and clear communication prior to surgery
- Supported clinical operations by transporting patients and maintaining pre-op, OR, and post-op environments
- Shadowed surgeries including FLAP reconstructions, endoscopies, and radiation therapy

CARVE SOFTWARE SOLUTIONS INC.

Cumming, GA

Healthcare Software Intern

August 2022 – December 2023

- Developed Java and Python applications analyzing patient diagnosis and prescription data for Kaiser Permanente
- Collaborated with clients and cross-functional teams to design, test, and deliver healthcare software solutions

LEADERSHIP

PHI DELTA EPSILON - ZETA

Atlanta, GA

Programming Chair

August 2025 – Present

- Developed and coordinated medical-focused professional and service opportunities for chapter members to advance their healthcare careers
- Organized volunteer events with organizations including MedShare, Campus Kitchens, and Atlanta Children's Day Shelter to engage members in community health initiatives
- Partnered with local nonprofits and senior care centers to create meaningful patient interaction and service experiences for pre-medical members

Recruitment Chair

January 2025 – May 2025

- Spearheaded recruitment efforts for Georgia Tech's founding Phi Delta Epsilon chapter, building a diverse cohort of pre-medical members
- Developed team-building initiatives and foundational recruitment strategies to establish a strong chapter culture

COLLEGE OF SCIENCES (CoS) AMBASSADOR

Student Ambassador

Atlanta, GA

November 2025 – Present

- Represent College of Sciences students at Georgia Tech through volunteering at CoS events such as discussion panels

ACT FOR IMPACT

President

Atlanta, GA

August 2022 – Present

- Founded Act for Impact, growing to 50+ members with an international chapter in India
- Raised over \$2,000 through food drives, sponsorships, and tutoring to support the Northside Foundation and St. Jude Children's Research Hospital
- Organized community service initiatives including volunteer recruitment and fundraising campaign

NEW STUDENT & TRANSITION PROGRAMS (GEORGIA TECH)

FASET Leader

Atlanta, GA

May 2025 – August 2025

- Facilitate orientation programs, guiding new, transfer, and international students to navigate campus culture, resources, and traditions.
- Guided campus tours and facilitated sessions to help new students navigate campus culture and available resources

RED CROSS – GEORGIA TECH CHAPTER

Fundraising & Events Committee Lead

Atlanta, GA

August 2023 – December 2024

- Organized blood drives and community service events, partnering with MedShare and local organizations to support hospitals and food banks
- Led fundraising campaigns raising ~\$500 through seasonal sales to subsidize medical internship and volunteer opportunities for students

SKILLS/INTERESTS

Certifications: BLS, EMT-B GA CERT, CEVO CERT, GVHCP, Lab animal handling (Emory DAR), Flo Cytometry

Language: English (native), Telugu (native)

Lab Skills: Gel, Electrophoresis, Pipetting, Dissections, Cell Culturing, Dose Curves, Western Blot, CRISPR

Technical: Python, VPython, MATLAB, DepMap, R, BioRender, HTML, Excel, PowerPoint, RNASeq, STATA

Interests: Healthcare, Public Policy, Research, Drug Discovery, Travel, Rock Climbing, Jiu Jitsu, Food/Cooking

