

# ADITI CHOUDHARY

BA, MPH CANDIDATE (INFECTIOUS DISEASES  
& MICROBIOLOGY)

## CONTACT

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## BIOGRAPHY

I am a senior honors student, and first-year MPH student, at the University of Pittsburgh on the Pre-Med track. I'm passionate about the intersections of medicine, technology, and the humanities, as well as increasing accessibility to healthcare for minorities.

## ACADEMIC HISTORY

- 2024-26 **University of Pittsburgh School of Public Health**  
Master of Public Health, Infectious Diseases and Microbiology, Disease Management, Intervention, and Community Practice
- 2021-25 **University of Pittsburgh, Dietrich School of Arts and Sciences and David C. Frederick Honors College**  
Bachelor in Arts in History and Philosophy of Science, Minor in Chemistry, Certificate in Conceptual Foundations of Medicine

## WORK EXPERIENCE

- 2025 **Fellow**  
Jewish Healthcare Foundation, Pittsburgh, PA
  - Chosen as a 2025 Death and Dying Fellow. Worked to explore the medical, legal, social, and spiritual dimensions of end-of-life care while practicing communication techniques and engaging with field experts. The program fostered a compassionate, patient-centered approach to supporting individuals and families during critical life moments.
- 2022-25 **Undergraduate Research Mentor**  
University of Pittsburgh Office of Undergraduate Research, Pittsburgh, PA
  - Worked one-on-one to connect peers to programs, opportunities, and resources to more deeply engage with research, creative expression, and scholarship. Held appointments to discuss mentees' academic curiosities and to develop their personalized education paths.
- 2022-25 **Research Journal Editor**  
University of Pittsburgh Office of Undergraduate Research, Pittsburgh, PA
  - Read and reviewed submissions for the Fall and Spring issues of Forbes and Fifth, a research journal with a global reach. Also offered editorial guidance to contributors, served on area-focused committees, as well as participated in term-end copy editing meetings.
- 2023-24 **Patient Care Technician**  
UPMC Presbyterian Hospital, Pittsburgh, PA
  - Performed tasks including ADLs (bathing, feeding, transporting, toileting, ambulating, and turning and repositioning patients), PLUS point of care testing (incontinence, blood glucose monitoring), daily weights, vital signs, 180, telemetry monitor application/reapplication, HAC & PSI prevention (TEDs/SCDs), and clean catch/mini catheter urine collection. Also trained to do simple dressings, 12 lead EKG, bladder scan, and all specimen collections.

- 2020-21 **Intern**  
City College of New York, New York, NY
  - Learned concepts of Deep Learning (Neural Network) through MATLAB.

**RESEARCH EXPERIENCE**

- 2023-25 **Undergraduate Intern**  
Spinal Computational Outcomes Learning Institute, Pittsburgh, PA
  - Published spinal, neurosurgical, and artificial intelligence papers, analyzed patient data, ran weekly lab meetings, collected specimen samples from the operating room, interviewed candidates for undergraduate internship program, and delegated responsibilities to interns.
- 2021-22 **Student Researcher**  
Program in Cognitive Affective Neuroscience, Pittsburgh, PA
  - Trained in basic lab conduct, standard research protocol, data preprocessing pipelines, data management, and ran participant intervention visits for mindfulness study.

**VOLUNTEERING EXPERIENCE**

- 2024-25 **Hospice Volunteer**  
Canterbury Hospice, Pittsburgh, PA
  - Volunteered weekly to keep company and give presence to patients at end-of-life.
- 2023-25 **Events Coordinator**  
Spreading Neurodiversity Acceptance Project, Pittsburgh, PA
  - Created weekly meeting events, coordinated volunteer efforts, and work closely with the Vice President and Public Relations officer to develop school year events. Led the Events Committee to plan events for the club and local neurodiverse community.
- 2023-24 **President**  
Foundation for International Medical Relief of Children at Pitt, Pittsburgh, PA
  - Volunteer and fundraise locally to be able to fund self-sustainable global health projects and maintain good relationships in developing communities.
  - Planned club events for the 2023-24 academic year. Delegated tasks to the board and helped with the coordination of 5 committees(Volunteering, Fundraising, PR, Advocacy, Freshman).
- 2023-24 **Volunteer**  
UPMC Disability Resource Center, Pittsburgh, PA
  - Volunteering at UPMC Presbyterian and UPMC Montefiore Hospitals through the Disability Resource Center to engage with patients who are disabled and providing them with comfort and items they may need to create a better hospital experience.
- 2017-23 **Student Member**  
East Windsor Health Advisory Board, East Windsor, NJ
  - Proposed and implemented Township Mental Health Awareness Campaign spanning night events and Mental Health May. Reached out to local specialized mental health organizations (NAMI Mercer, iCare East Windsor, BeTheLi9ht Foundation) and coordinated with renowned speakers and activists to educate and destigmatize mental health discussion in my community.

## SKILLS

### Coding

MATLAB, Python, Java

### Languages

English, Hindi, Spanish

### Healthcare Software

Epic, Powerchart, REDCap

## PUBLICATIONS

**Choudhary, A.** (2024). When Cannibalism Isn't the Only Red Flag. The Pitt Pulse. <https://www.thepittpulse.org/vxivc2ac>

**Choudhary, A.** (2024). Comparing a Microprocessor to the Brain: Exploring Knowledge, Intelligence, and Consciousness in an Age of Artificial Intelligence. Pittsburgh Undergraduate Review, 3(2), 1–10. <https://doi.org/10.5195/pur.2024.66>

Carnovale, B., Lavadi, R.S., **Choudhary, A.**, Gajjar, A.A., Kumar, R.P., Hudson, J.S., Shah, M., Hamilton, D.K., Agarwal, N. Accounts of Spine and Paraspinal Disease while Playing Golf. World Neurosurgery. (In Press)

Carnovale, B., **Choudhary, A.**, Lavadi, R.S., Hamilton, D.K., Agarwal, N. Let's Talk: Analyzing the Effect on Patient-Physician Language Concordance on Perceived Health Outcomes. World Neurosurgery. (In Press)

Boddeti, U., Polavarapu, H., Patel, S., **Choudhary, A.**, Langbein, J., Nusraty, S., Vatsa, S., Brahmabhatt, P., Mitha, R. Current Status of Awake Spine Surgery: A Bibliometric Analysis. World Neurosurgery. (In Press)

Carnovale, B., **Choudhary, A.**, Lavadi, R.S., Shah, M., Maroon, J.C. Letter to the Editor Regarding "Assessing Patients Perception: Analyzing the Quality, Reliability, Comprehensibility, and Mentioned Medical Concepts of Traumatic Brain Injury Videos on YouTube". World Neurosurgery. (In Press)

## PRESENTATIONS

**Choudhary, A.**, Don, N., Carnovale, B., Rabon, W., Lavadi, R.S., Mitha, R., Kumar, R.P., Fernández-de Thomas, R.J., Mooney, J., Hamilton, D.K., Agarwal, N. Microsoft Copilot Accurately Extrapolates SRS-22r Pain and Management Satisfaction Outcomes based on Clinical History. 41st Annual Meeting of the AANS/CNS Section on Disorders of the Spine and Peripheral Nerves, Spine Summit. Tampa, FL. February 20-23, 2025.

**Choudhary, A.**, Don, N., Carnovale, B., Rabon, W., Lavadi, R.S., Mitha, R., Kumar, R.P., Thomas, R.F., Mooney, J., Hamilton, D.K., Agarwal, N. Microsoft Copilot Accurately Extrapolates SRS-22r Pain and Management Satisfaction Outcomes based on Clinical History. National Conference on Undergraduate Research. Pittsburgh, PA. April 7-9, 2025.

Carnovale, B., Lavadi, R.S., **Choudhary, A.**, Gajjar, A., Kumar, R.P., Hudson, J., Legarreta, A., Shah, M., Hamilton, D.K., Agarwal, N. Accounts of Spine and Paraspinal Disease while Playing Golf. 41st Annual Meeting of the AANS/CNS Section on Disorders of the Spine and Peripheral Nerves, Spine Summit. Tampa, FL. February 20-23, 2025.