

# SAHANA KHANNA

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## EDUCATION:

**University of Cincinnati, College of Medicine & Carl H. Lindner College of Business** Cincinnati, Ohio  
Major: Medical Sciences | Minor: Integrative Health & Wellness, Public Health, Entrepreneurship Expected Graduation: May 2027

- GPA: 3.9/4.0
- Awards and Honors: Dean's List, University Honors Program, Cincinnati Scholar
- Organizations and Societies: Honors Ambassador (Development Director), Phi Delta Epsilon (Recruitment Committee), MedLife (Expansion Director), MidWest Dhamaka (Team Liaison), UC Dhadak (Production Crew), BearCat Buddies (Community Tutor)

## INTERNSHIPS:

**Neurogastroenterology Lab Research Assistant** January 2024 - Present  
*Cincinnati Children's Hospital Medical Center, Cincinnati, Ohio*

- Understanding how the effects of Social Determinants of Health (SDOH) impact the severity of gastroenterology diseases under the mentorship of Dr. Neha Santucci.
- Presented project at the NASPGHAN Conference 2024 and the DHC Conference 2025.

**Pain Management Lab Research Assistant** August 2023 - Present  
*Cincinnati Children's Hospital Medical Center, Cincinnati, Ohio*

- Assisting Dr. Gyanesh Tripathi in assessing the role of T cells in regulating hypersensitivity and immune responsiveness through genetically modified animals and biomedical lab techniques.
- Selected via the UC BioMedical RaMP program, presented findings and experience in the BioMedical RaMP Conference 2024.

**Gastroenterology Lab Research Assistant** August 2023 - June 2024  
*Cincinnati Children's Hospital Medical Center, Cincinnati, Ohio*

- Member of Dr. Ajay Kaul's lab, analyzed biomarker data and medical notes to determine diverse effects of a fasting phase on colonic manometry performance.
- Presented findings at the National Digestive Disease Week 2024 and the ESPGHAN Conference. Research published in *Neurogastroenterology and Motility Journal*.

## COMMUNITY ENGAGEMENT:

**School Services Volunteer - 50+ hours** October 2024– Present  
*Cincinnati Children's Hospital Medical Center, Cincinnati, Ohio*

- Volunteered in the School Services Division, helping patients with educational needs.
- Taught basic math, English, and science to kids ranging from preschool to eighth grade.

**Blood Donor Ambassador – 50+ hours** May 2024– Present  
*American Red Cross Northeast Ohio Region, Cleveland, Ohio*

- Served to create a positive donation experience at Red Cross blood drives.
- Tasked with attending blood drives, checking in donors, and providing snacks to maintain the health of the donors.

**Rainbow 3 Unit Volunteer – 50+ hours** May 2024 – August 2024  
*UH Rainbow Babies & Children's Hospital, Cleveland, Ohio*

- Responsible for providing a play space for pediatric patients in the Surgical division.
- Tasks included: Supervising the Activity Center, playing with patients, monitoring and cleaning toys, and assisting patients.

## LICENSES:

**CNA (Certified Nursing Assistant) License**, Ohio Nursing Aide Registry, July 2025.

## PUBLICATIONS:

- Dorfman L, El-Chammas K, **Khanna S**, Fei L, Kaul A. Utility of Monitoring Fasting Phase During Pediatric Colonic Manometry Studies. *Neurogastroenterol Motil.* 2025 Apr;37(4):e14998. doi: 10.1111/nmo.14998. Epub 2025 Jan 9. PMID: 39789837.
- Gyanesh T, Adam D, Wayland J, **Khanna S**, Hoffmann M, Govindarajan T, Morales FM, Queme L, Millay D, Jankowski MP. Synaptic-like coupling of macrophages to myofibers regulates muscle repair. *Res Sq [Preprint]*. 2024 Oct 28;rs.3.rs-5290399. doi: 10.21203/rs.3.rs-5290399/v1. PMID: 39574892; PMCID: PMC11581056.
- Dauterman, M., Jeyakumar, A., Gautam, I., Mahajan, A., **Khanna, S.**, and Mahajan, A. (November 30, 2023). "Design, Development and Validation of a Smart Cochlear Three-Dimensional-Printed Model to Train ENT Surgeons." *ASME. J. Med. Devices.* December 2023; 17(4): 041003. <https://doi.org/10.1115/1.4064064>

## SKILLS:

**Computer:** JAVA Script, Microsoft Office; Google Suite; Zoom; EPIC Systems  
**Language:** Hindi (Intermediate); Punjabi (Beginner); Mandarin (Beginner)