**PRATISHTHA KOTHARI**
Raleigh, NC | (919) 432-3065 | prati@unc.edu | US Citizen

## EDUCATION

**University of North Carolina at Chapel Hill | B.S. Biomedical Engineering, Expected May 2030**

HS GPA (4.712 W)

- Courses - General Chemistry I & II, Intro Biology, Calculus I & II, Intro Economics, Sensation & Perception, Health Humanities
- Clubs/Organizations: Phi Delta Epsilon Medical Fraternity & FlowForward

**Awards/Honors**

- Park Scholarship (~1% applicants awarded, full merit scholarship)
- HOSA– 1st Place in Health Education (State Level) | Gold Barbara James Service Award (International Level)

## RESEARCH EXPERIENCE

**Hursting Lab, Dept. of Nutrition | UNC Gillings** **Chapel Hill, NC**

*Undergraduate Researcher* *September 2026 – Present*

- Studying tirzepatide's potential to suppress obesity-linked tumor growth in obese mouse models Conducting mRNA isolation techniques, PCR, electrophoresis, and cell culture.

**Cardiometabolic Lab, Dept. of Exercise & Sport Science | UNC** **Chapel Hill, NC**

*Research Collaborator* *June 2025 – August 2026*

- NIH (R01) funded; performed ELISAs, collected blood pressure, ECG, heart rate variability, vascular Doppler ultrasound
- Processed blood samples (centrifugation, aliquoting, storage) for biobanking

**Exercise Oncology Research Lab | UNC**

*Meta-Analysis Contributor* *November 2024 – Present*

- Co-authoring a quantitative review of how cancer therapies impact arterial stiffness/cardiovascular risk (e.g. PWV)

## PRESENTATIONS & PROJECTS

**Southeast American College of Sports Medicine Conference** **Greenville, SC**

- Kothari P, et al. "The Impact of Maintaining Knee Flexion on Pulse Wave Velocity Measurements Following Prolonged Sitting." Lead on Poster presentation at annual conference

**HOSA – Future Health Professionals** *August 2024 – April 2025*

*Medical Innovation – MaterniSense*

- Led the development and prototyping of a diagnostic pregnancy diaper that tested for preeclampsia, UTI, and gestational diabetes

## CLINICAL EXPERIENCE

**UNC Health Rex | Orthopedic Unit** **Raleigh, NC**

*Patient Care Volunteer* *June 2023 – May 2026*

- Collaborated in Orthopedic department, managed patient records, assisting with discharge, and delivering/organizing medication

**Nurse Aide I | Wake Technical Community College**

- **Completed 80+ clinical hours at UNC Rex Hospital and Springmoor Life Care Retirement Community**

## SKILLS & CERTIFICATIONS

**Certifications:** Certified Nursing Assistant, CPR/AED, Pediatric First Aid, OSHA, HIPAA
**Physiology/Clinical:** vascular Doppler ultrasound, SphygmoCor PWV, NIRS, ECG, blood pressure, HRV
**Languages:** Hindi (Conversational/Native), Spanish (Intermediate)
**Technical Proficiencies:** REDCap, Microsoft Office Suite, Canva, Adobe, Digital Citizenship