TUSHAR NAYAK

PROGRAM: MS BME - RESEARCH
HOME TOWN: MUMBAI, INDIA

CONTACT

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HOBBIES

Biking, Photography, Piano, Reading Books & Comics (big Marvel/DC fan here), Film Noir enthusiast, History buff.

FACTS NEW STUDENTS MAY NOT KNOW ABOUT PITTSBURGH, CMU OR BME

The city is very bike-friendly. If you're even slightly into biking, get yourself a bike at Pittsburgh and explore the city (and use the bike holders on the public buses if you want to get to a trail that's far away)

Pittsburgh is also home to a couple of fantastic museums (including the Heinz History Center, a Smithsonian!) which are all a must visit, and are accessible freely using our university IDs.

LEARN ABOUT CMU BME AMBASSADORS

FAVORITE THING ABOUT BME DEPARTMENT

The BME department offers some of the most interesting courses in the convergence of health and tech. I've been able to be introduced to & dive deep into topics I was previously nervous about. The department is also a tightly knitted community of fantastic students and faculty.

FAVORITE THING ABOUT CMU

The campus and the people on it. The campus itself is beautiful and has a positive vibe, and it doesn't fall short of some awesome places to sit and get work done, relax (or grab a bite!) The people, faculty and students, are also some of the smartest and there's always something to learn from everyone here and grow together.

WHY I PICKED CMU FOR MY GRAD STUDIES?

My field of interest is at the intersection of medical imaging and pattern recognition & AI, and I want to use that in the context of surgical robotics. CMU is among the very best engineering schools, and the best AI & robotics schools globally, which made this school not just obvious, but it felt like the only choice. The courses and labs at CMU are some of the best in my field, taught and led by fantastic professors. The university's (and my lab's) close ties with the University of Pittsburgh, another acclaimed medical school for close collaborations with their clinical researchers gives a unique perspective and guidance in my research.

LONG-TERM CAREER GOALS

My long-term goal is to advance the field of image-guided surgical robotics, developing technologies that improve surgical precision and accessibility. After my master's, I plan to pursue a PhD and continue research that bridges engineering and surgery, ultimately aiming to translate innovations from the lab to the operating room to benefit patients and clinicians.