



ROSHAN PATHAK

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Baltimore, MD



A current freshman studying Neuroscience at Johns Hopkins University. Detail-oriented, self-motivated, and seeking a research position in neuroscience and cognitive science.

EDUCATION

JOHNS HOPKINS UNIVERSITY (2021–2025 Projected)

BS Neuroscience, Current Freshman

GPA: 3.95/4.00

Relevant Coursework: Foundations of Brain, Behavior, and Cognition; Neuroscience: Cognitive; Calculus III

RESEARCH EXPERIENCE

Twomey Lab

Undergraduate Researcher, January 2022–Present

- Newly appointed undergraduate research assistant in the Neuroscience and Biophysics departments at Johns Hopkins Medical School.
- Laboratory investigating the mechanism of assembly of AMPA receptors and tight junctions in the central nervous system to improve rational drug design.

VOLUNTEER/SHADOWING EXPERIENCE

Garden State Physicians

Volunteer Medical Assistant, December 2021–Present

- Assist nurses and medical assistants under Dr. Srinivas Mendu in the Edison location for Garden State Physicians.
- Aid staff with administering physicals, completing clerical work and running EKGs and medical tests.

Charm City Science League

Volunteer/Mentor, September 2021–Present

- Mentor students at the Baltimore City Public Schools in STEM subjects.
- Currently working with a teacher at Reginald F. Lewis High School to revamp and mentor their Science Olympiad team.

Lenox Hill Hospital Neurosurgery Department BRAINterns Program

Summer Intern, June 2020–August 2020

- Virtually shadowed the Lenox Hill hospital Neurosurgery Department during the COVID 19 pandemic.
- Took multiple seminars on neuroanatomy and physiology through Neurosurgery team staff.

Raritan Valley Regional EMS Squad

Volunteer/Cadet, December 2019–Present

- Trained by squad in emergency transport and patient treatment procedures.
- Assist volunteer EMS squad on-scene during calls and transport, and currently seeking official licensing.

OTHER INTERESTS/PROJECTS

Blueprints for Pangaea

Co-Founder/Social Chair, November 2021–Present

- Working to begin a Johns Hopkins chapter of the Blueprints for Pangaea organization.
- Seeking to eliminate waste and improve patient outcomes by reallocating unused excess medical equipment from large hospitals to local clinics and overseas clinics.

Inter Asian Council

Board Liaison, October 2021–Present

- Work with the events team of the Inter Asian Council Board to make events that give a voice to members of the Asian, Pacific Islander, Desi American (APIDA) community, most recently an APIDA-based open mic event.