

SAHIL K KAPADIA

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EDUCATION

The University of North Carolina at Chapel Hill | College of Arts and Sciences | Chapel Hill, NC

May 2028

Bachelor of Science, Neuroscience and Computer Science | Minor in Chemistry

- GPA 3.96; **Morehead-Cain Scholar** (Merit-Based, Full Ride), Honors Carolina (Top 10% of Class)

EXPERIENCE

Eshelman Innovations / First Principles – Chapel Hill, NC

August 2025 - Present

Technical Venture Builder

- Building a care-appropriateness venture with the former Director of the American Board of Neurological Surgery
- Partnering with neurosurgeons, payers, and investors to reduce unnecessary procedures using expert-review platform

CWRU Center for Comp. Imaging and Personalized Diagnostics – Cleveland, OH

May 2024 - Present

INVent Lab ML Researcher

- Conducting pathology-based diagnostics research, resulting in two first-author publications (SPIE Medical Imaging, IEEE ISBI) and an accepted abstract (AACR) on foundation-model methods

MIT Lab for Computational Physiology – Cambridge, MA

June 2025 - Present

Medical Shortcut Researcher

- Constructing a package to detect and mitigate shortcut features in medical imaging models using various techniques

MIT Critical Data Projects – Cambridge, MA

June 2025 - Present

Computational Medicine Researcher

- Investigating neuroscience-driven principles to improve LLM performance on medical application tasks

City of Calgary – Smart Cities Team – Calgary, AB, Canada

May 2025 – July 2025

Wave Tech Consultant

- Built and designed a transparency tool now implemented by the City, contributing to the successful deployment and oversight of a \$20M public-sector grant for the Wave Tech Center
- Advised the city on responsible AI integration, supporting stakeholder expectations around safety and transparency

Molecular Modeling Lab – Chapel Hill, NC

December 2025 - Present

Drug Discovery Researcher

- Applying chemoinformatic and knowledge-graph methods to identify novel repurposing targets for drug discovery

Turmerik AI – Chapel Hill, NC

July 2024 - August 2024

Clinical Trial Software Developer

- Built an agent-based framework to optimize clinical trial recruitment, site selection, and budget forecasting, reducing operational barriers to trial initiation

LEADERSHIP AND COMMUNITY INVOLVEMENT

Community Health Advisory Board – Chapel Hill, NC

August 2025 - Present

Board Member

- Overseeing Campus Health, prioritizing student access, well-being initiatives, and policies
- Helping lead the future integration of AI into campus health and medicine to improve safety and decision-making

Student Wellness and Safety Committee – Chapel Hill, NC

August 2025 - Present

Committee Member

- Partnering with STEM Task Force to strengthen mental health support and expand access to academic resources

Touch of Life Foundation – Vienna, VA

January 2023 - Present

Executive Board Member | Video Editor

- Raised \$350K+ since 2020 to support rehabilitation for trafficking survivors, including initiatives alongside Nobel Peace Prize Laureate Kailash Satyarthi

ADDITIONAL INFORMATION

- Relevant Coursework / Skills: Multivariable Calculus, Linear Algebra, Probability & Statistics, Artificial Intelligence, Machine Learning, Deep Learning, Computer Vision, Neuroscience/Neurobiology, Anatomy & Physiology, Genetics/Molecular Biology, Research Methods, Experimental Design, Data Analysis (Python)