

Sahil Kapadia

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Summary

Highly motivated student with strong scientific and computational background endeavoring to obtain a degree in STEM.

Education

University of North Carolina at Chapel-Hill | Expected Graduation Date: 2028

Freshman

- Bachelors of Science in Neuroscience and Computer Science

Thomas Jefferson High School for Science and Technology | 2020 - 2024

Senior

- ACT: 36 | GPA: 4.532 | Coursework: Multivar Calc, Artificial Intelligence, Linear Algebra, Neurobio

Experience / Extracurriculars

Turmerik AI | May 2024 – October 2024

Machine Learning Intern

- Used Retrieval-Augmented Generation (RAG) to optimize clinical trial processes including participant recruitment, site selection, and budget forecasting

Inova Schar Cancer Institute & NIH | May 2023 – June 2024

Clinical Researcher

- Published [abstract](#) in International Journal of Radiation Oncology, Biology, Physics
- Research patients with prostate cancer and analyze prostate-specific antigen/Gleason scores
- Determine the optimal course of radiation treatment and developed Kaplan-Meier curves
- Presented research at Schar Cancer Conference

T4Tourette's | Oct 2022 - June 2024

Founder

- Published Cognitive Behavioral Intervention for Tics self-help manual
- Utilizing modern-day psychological techniques to innovate solutions inhibiting premonitory urge
- Developing county-wide advisory lessons for tic and stutter-based disorders

Touch of Life Foundation Nonprofit | Mar 2020 – Present

Executive Board Member

- Over \$350,000 raised since 2020 to rehabilitate trafficking survivors
- Produce social media content to raise awareness for human trafficking prevention
- Present to corporate audiences to raise money against human trafficking
- Coordinate fundraising events such as the annual Gala, fun run, and car washes

G. Mason University/VA Concussion Initiative | January 2023 – December 2024

Concussion Data Science Researcher

- Coded Python scripts to help identify 10+ VA policies inadequate for student concussions
- Trained ML model on 10,000+ TBI biomarkers (S100B, GFAP)
- Developed optical scanner using deep learning to predict concussions in abnormal eye saccades

StreetFins | Jan 2021 – Oct 2023

Co-Editor-In-Chief

- Write and publish weekly online articles summarizing current economic trends to improve financial literacy
- Assign, edit, and publish stories to over 30 individual writers with a monthly readership over 3,000
- Perform outreach by managing content creation and marketing the organization