**Name**

Phone # ~ [email](mailto:nkashyap9@gatech.edu)

**EDUCATION**

**Georgia Institute of Technology -** Class of XXXX  Bachelor of Sciences in Neuroscience,

Health Medical Sciences Minor

**RESEARCH EXPERIENCE**

* **Undergraduate Research Assistant –** May 2018 to Present
* Koh Lab of Emory University
  + Pediatric Epilepsy Research
  + Shadowed Dr. Koh during clinical rotations
  + Responsible for evaluating efficacy of ketogenic diet combined with pioglitazone in Dravet Syndrome
  + Conducted genotyping, PCR assays, gel electrophoresis, febrile seizures, brain slicing, and immunohistochemical staining
* **Undergraduate Research Assistant –** May 2018 to August 2018
* Pardue Lab of Georgia Institute of Technology and Emory University
* Handled mice and looked after post-operation animals
* Prepared genotyping tissue samples
* Analyzed retinal scan images and data
* **Undergraduate Research Assistant –** December 2017 to May 2018
* Wheeler Lab of Georgia Institute of Technology
* Project - “Neural Mechanisms of Age-Related Changes in Perceptual and Memory Decisions”
* Responsible for participant recruitment and data collection
* Prepared participants for fMRI testing and analysis
* Conducted behavioral screening of participants
* **Sickle Cell Student Research Assistant -**                      November 2015 to May 2016
* Emory University at the Aflac Cancer & Blood Disorders Center with Children's Healthcare of Atlanta
* Performed Sickle Cell Assays with 5-HMF
* Used Flow Cytology to quantify sickling rate in red blood cells derived from both human and mouse tissue
* Presented findings to faculty and students in the Archer Lab
* Final results were added to Sickle Cell Research database

**EXPERIENCE**

* **Student Intern** – NRI Pulse March 2017 to August 2017
  + Interned as cultural news reporter
  + Wrote articles on various cultural events from various local Indian cultural communities
  + Interviewed Atlanta mayoral candidate John Eaves and published interview
* **Student intern** **-** Colon and Rectal Clinic June 2016 to August 2016
* Scheduled patient appointments and answered phone calls
* Worked extensively with e-clinical database
* Followed up with billing and outstanding invoices

**CLINICAL EXPERIENCE**

* **Children’s Healthcare of Atlanta (Egleston) Hospital Volunteer** May 2019 to Present
  + Volunteered in Transplant unit
  + Duties included interacting extensively with patients by engaging in games and arts and crafts activities as well as transporting patients to hospital events and holding infants to offer their parents a break
* **Grady Memorial Hospital Volunteer** May 2018 to Present
  + Volunteered in both ICU and Trauma units
  + Interacted with patients and more extensively with their families
  + Performed clerical duties in ICU such as signing in visitors and taking families to patient rooms
  + Stocked Trauma carts and rooms with fluids and equipment

**PROJECTS**

* **Neuroscience Senior Capstone Project** August 2019 to Present
  + Collaborated with a team of peers to conduct cellular and molecular neuroscience research focused on finding a novel, endogenous agonist for mouse itch receptor MrgprX1 and identifying a point mutation in MrgprX1 to disrupt agonist function
  + Performed PCR, gel electrophoresis, TA-cloning, transformation, minipreparation of plasmid DNA, restriction enzyme digestion, site-directed mutagenesis, transfection, calcium imaging and behavioral assays
  + Composed a proposal for independent research, participated in journal club, produced a final manuscript, and presented findings in front of peers and neuroscience faculty at Georgia Tech

**SKILLS**

* **Neuroscience**
  + Cellular and molecular neuroscience, research methods in neuroscience, neuroanatomy, biopsychology, cognitive psychology, and cognitive neuroscience
* **Research** 
  + PCR, gel electrophoresis, EEG, TA-cloning, transfection, primer design, transfection, miniprep, gene mutagenesis, genotyping, DNA extraction, brain slicing via microtome, immunohistochemical staining
* **Communication**
  + Technical scientific writing, interpersonal writing, Microsoft Office (Word, Powerpoint, Excel), Google Drive (Docs, Slides, Spreadsheets), QPR certified, teaching experience
* **Languages**
  + English (native), Kannada (native), Hindi (conversational)
  + Java (brief) and Python (moderate)

**LEADERSHIP EXPERIENCE**

* **Freshmen Resident Advisor** December of 2018 to December 2019
  + Served as residential advisor to 34 freshmen women
  + Responsible for planning programs, upholding hosing policies, providing advice as well as academic and social resources, and serving as point of contact for residents
* **Biology 1510 Teaching Assistant** January of 2019 to December 2019
  + Responsible for leading introductory/general biology lab and grading all lab work
  + Responsible for answering student questions during lecture, grading class and homework, leading recitation, hosting review sessions and proctoring exams