

# Mishree Narasaiah

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## EDUCATION

**University of North Carolina at Chapel Hill**, Chapel Hill, NC  
Bachelor of Science, Neuroscience  
GPA: 4.0

Fall 2025 - Present  
Expected Graduation: May 2029

## EXPERIENCE

**UT Health Austin's Mitchel and Shannon Wong Eye Institute**, Austin, TX

Jun 2024-Jul 2024

*Shadowing Intern*

- Shadowed ophthalmologist Dr. Eileen Bowden, learning about ophthalmologic diagnoses and potential treatments.
- Distributed "eye care kits" to patients, developing soft skills in tactful and empathetic communication.

**BLU Dental**, Austin, TX

Nov 2022-Nov 2023

*Clinical Intern*

- Shadowed dentists, hygienists, and orthodontists while gaining hands-on experience handling dental tools and managing clinical paperwork.
- Obtained patient vitals, sterilized and packaged dental tools, and cleaned and set up rooms between patient procedures.

## RESEARCH AND PUBLICATIONS

**Hantman Lab @ UNC Neuroscience Center**, Chapel Hill, NC

Aug 2024-Present

*Paid Undergraduate Research Assistant*

- Exploring neural mechanisms of post-stroke recovery in skilled motor control and movement in model mice via a reach and grab task.

**Exploring pheromone-based communication in snails**, Austin, TX

Dec 2024-March 2025

*Independent Behavioral Biology Research*

- Research Question: How does pheromone-based communication affect trail-following in *Otala lactea* and *Bulimulus guadalupensis* as measured by the number of snails that follow a mucin trail through a Y-maze over a three-hour period?
- Aim: To explore how communication via snails' mucin trails influences trail-following behavior in the two species to determine whether pheromones influence mate and food-finding, as well as whether this behavior impacts species-specific survival success and aggregation.

**Exploration of preventative chemicals in contact lens infections**, Austin, TX

Jan 2024-Dec 2024

*Independent Biology Research*

- Research Question: To what extent do various contact lens solutions (saline, multipurpose solution, and hydrogen peroxide) inhibit the number of colonies *Staphylococcus epidermidis* grown on silicone hydrogel contact lenses at different stages of the disinfecting technique (rub & rinse and storage), measured by colony count over 24 hours using the Rodac imprint method on TSA plates?
- Presented at the International Young Researchers' Conference at Columbia University in December 2024  
[Paper DOI](#) | [Poster Link](#)

**Biomedical Engineering Research**, Austin, TX

Jun 2024-Jul 2024

*Intern @ UT Austin's Biomedical Engineering Lab*

- Aim: To utilize the novel Type 1 Secretion System (T1SS) developed for use in Gram-negative bacteria to induce the secretion of Eglin C, a pharmacologically active elastase inhibitor which has been shown to inhibit matrilysin, a protease correlated with cancer progression that plays an essential role in the metastatic process of cancer cells in multiple cancer pathways. Our aim was to achieve the large-scale secretion of Eglin C, as it has become a major interest in biotherapeutics for cancer.  
[Poster Link](#)

**From Seizure to Surgery: A Battle with a Cavernous Hemangioma**, Austin, TX

Jun 2023-Dec 2023

*Health Narrative*

- Aim: I worked with a friend undergoing treatment for a cavernous hemangioma to write this health narrative and tell her story. After an immersive 7 months, I curated this health narrative to accurately and impactfully convey her experience based on independent research.
- Presented virtually at the International Young Researchers' Conference held in Tokyo, Japan.  
[Paper DOI](#)

## LEADERSHIP AND COMMUNITY INVOLVEMENT

**Remote Area Medical (RAM)**, Chapel Hill, NC

Aug 2025-Present

### *Community Host Group Networking Lead*

- Working within UNC Chapel Hill's RAM chapter on a longitudinal project to establish our own remote clinic involving experienced physicians and student volunteers in Chapel Hill to attend to patients in need with minimal costs.
- Involved in communication with RAM headquarters, local physicians, medical schools, and an active volunteer at other RAM clinics.

## **SKILLS AND CERTIFICATIONS**

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### Certifications:

[Biotechnician Assistant Credentialing Exam](#) by Biotility

[Electrocardiogram Technician](#) by NHA

### Languages:

#### **Native Fluency**

Hindi  
English

#### **Conversational Fluency**

Spanish

#### **Working Fluency**

Telugu  
Kannada

References available upon request