

Tanvi Gaonkar

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EDUCATION

University at Buffalo, State University of New York

Bachelor of Biomedical Sciences, *Dean's List*

2023-2027

- WiSE (Women in Science and Engineering) ambassador
- Undergraduate researcher at Dr. Sim's lab at the JSBMS
- Academic coach at TASS (Tutoring & Academic Support Services)
- Resident assistant in Campus living
- Director of Engagement at FRN (Food recovery network)
- International student advocate and part of the ISAC (International Student Advisory Council).

LAB RESEARCH EXPERIENCE

Research in Behavioral Neuroscience, University at Buffalo, US.

2025

- Presented research at UBIB Research Day on behalf of the University at Buffalo's Taste and Feeding Lab, showcasing studies on salivary amylase (AMY1 gene).
- Designed and conducted experiments analyzing the effects of salivary amylase variation on body composition and dietary preferences in mice.
- Analyzed and communicated findings that challenged existing human data, contributing new insights to the field of nutritional genomics.

Removal Of Toxic Dyes Using Immobilized Microbes, Dubai, UAE.

2022

- Investigated the use of Green Technologies such as Bioremediation while using microbial fungi.
- Conducted the process of using techniques of immobilization, dye decolorization and degradation.
- Discovered future prospects and advancements on the ways to remove toxic dyes and prevent pollution of resources.

Preparation of soybean milk and its comparison with natural milk with respect to curd formation, Dubai, UAE.

2022

- Conducted experiment to produce soyabean milk in the laboratory using different kinds soyabean seeds.
- Gathered data on the factors affecting curd formation.

LITERATURE RESEARCH EXPERIENCE

Artificial Leaf, Dubai, UAE

2022

- Extracted information from well-known published research papers.
- Reviewed about silicon-based devices that uses solar energy to split hydrogen and oxygen in water, to find alternatives of producing clean hydrogen with no pollutants.

Primer designing, Dubai, UAE

2022

- Researched and designed a primer through National Library of Medicine using strands of DNA.
- Presented in front of an audience of 30 students and a teacher.

Neurodevelopmental disorder, Dubai, UAE

2022

- Inspected a case study to identify the various types of Neurodevelopmental disorders.

INTERNSHIP

Virtual Work Experience - Brighton and Sussex Medical School, UK

2021

Intern

- Overview of organization of NHS in terms of primary, secondary, and tertiary care.
- Insight into the different types of doctors and the essential skills that doctors must possess and develop.
- Introduced to factors that affect modern medicine like law, politics, and ethics.

VOLUNTEER EXPERIENCE

Food Recovery Network (FRN)

2024

- Active volunteer at FRN, a student-led organization that tackles food waste and promotes food security by recovering food from events, local businesses, and UB Campus Dining and Shops. Then distributing it to those who are food insecure with WNY non-profit partners.

Angel Xpress Foundation, Dubai

2021

Volunteer tutor

- Interacted with 4 students, teaching English and Science, twice weekly.
- Collaborated with supervisor on a monthly basis to ensure learning outcomes were achieved successfully.

SKILLS

Creativity

• Communication

• Good Listener

• Verbalization

• Writing

• Influencing

• Resource Management

• Continuous Improvement

• Attention to Detailing

Languages: Marathi (Native), English (*Fluent*), Hindi (*Fluent*)