

Anisha Singh

Atlanta, GA, 30332 |

www.linkedin.com/in/anishasingh2020

U.S. Citizen

Education

GEORGIA INSTITUTE OF TECHNOLOGY | ATLANTA, GA

AUG 2019- DEC 2023

- Bachelor of Science in Aerospace Engineering and Minor in International Affairs and Microeconomics of Strategic Analysis
- Air Force ROTC
- Related coursework: Computing for Engineers (MATLAB), Engineering Mechanics, Principles and Applications of Engineering Materials, Differential Equations, Dynamics, Intro to Engineering Graphics, Vertical Integrated Project (Special Purpose Aircraft), Jet and Rocket Propulsion, System Dynamics and Vibrations, Design and System Engineering Methods
- Dean's List (Spring 2020- Present), Outstanding Online Teaching Assistant for Economics, Panelist at General Ray Davis Korean War Medal of Honor Legacy Symposium

Experience

RESEARCH INTERN | NATO ACT INNOVATION HUB | ATLANTA, GA

AUG 2021-DEC 2021

- Engaged with other U.S. and European Universities and applied consulting skillsets when working on deliverable for sponsor.
- Collaborated with other students in research on Innovation and Future of Warfare with a focus on emerging technologies in a defense context.
- Articulated key strategy, policy, and technological challenges across NATO and its respective member states.

UNDERGRADUATE HEAD TEACHING ASSISTANT | GEORGIA TECH | ATLANTA, GA

AUG 2020-PRESENT

- Dedicated 15-20 hours enhancing the learning experience for students by working with them and handling communications between the professor and the students as well as other duties.
- Graded assignments and assisted with exam grading, while managing student engagement regarding assignments on other online platforms such as MOBLAB and FREDCast.
- Worked towards evolving in-person format of the class into an online format by assisting in making structured surveys to track student's progress and experiences.
- Created multiple online digital training guides for incoming TAs to help them adjust to their roles as well as mentored multiple TAs during the semesters.

SIGMA GAMMA TAU MENTOR | GEORGIA TECH | ATLANTA, GA

AUG 2021-DEC 2021

- Mentored an underclassmen aerospace engineering student by providing resume reviews, advising in registration and classes, information about research and internship opportunities, as well as general college career advice.
- Enabled the mentee to develop their own skills, strategies and capability in order to tackle adversities more effectively with or without the mentor's presence.

GT 1000 TEAM LEADER | GEORGIA TECH | ATLANTA, GA

JUN 2020-DEC 2020

- Mentored 30 students in the field of Undergraduate Research at Georgia Tech.
- Dedicated 2-3 hours weekly preparing class material and facilitated communication between students.

Skills & Abilities

Instrumentation: Spectrophotometer, DNA Barcoding, Centrifuge, Gel Electrophoresis

Communication: Public Speaking, Research Symposium Presentations, Written Communication

Language: English (Native), Hindi (Native), Spanish (Limited working proficiency)

Organizations: Student Government Association, Women of Aeronautics and Astronautics (WoAA), Epic Intentions, Student Employee Advisory Board, Air Force ROTC

Research and Projects

THREE YEAR STUDENT RESEARCH | TOMS RIVER, NJ

AUG 2016-JUN 2019

- *How do red and blue LED Lights affect the anthocyanin levels in eggplants in microgravity.*
 - Studied the effect of Red and Blue LED lights through research
 - Used external sources through NASA's previous experiments to gather information
 - Connected with hydroponics companies to try to simulate the microgravity scenario using hydroponics

DNA BARCODING | TOMS RIVER, NJ

AUG 2018-SEPT 2018

- *Discovery of a new DNA sequence of Culex salinarius*
 - Sponsored by COLD SPRINGS HARBOR LAB
 - Used DNA Barcoding procedure and gel electrophoresis to find the sequence and process it
 - The sequence was confirmed to be a new sequence and was published on the NCBI
 - <https://www.ncbi.nlm.nih.gov/nuccore/MH781016.1>

LEADERSHIP

LEADERSHIP INTERN | CAMP INVENTION | TOMS RIVER, NJ

JUL 2016-JUL 2019

- Mentored a group of elementary school children and guided them through STEM related activities
- Helped the children work through challenges as a team and helped build their confidence in STEM

STUDENT DELEGATE (NJ) | FIRST ROBOTICS N.A.C. | WASHINGTON, D.C.

JUN 2018

- Trained and learned the effect of government budget cuts on the STEM programs nationwide.
- Lobbied to the Congressmen MacArthur's staff and Senator Booker's staff regarding the issue

SQUADRON COMMANDER | AFROTC DET 165 | ATLANTA, GA AUG 2022-PRESENT

- Ensured an effective training environment by overseeing 3 IMT Flight Commanders and making sure more than 30 cadets complete their required objectives for ROTC.
- Mentored 3 Flight Commanders on direct leadership topics to ensure the success of their flights.
- Monitored training objective completion according to AFROTCI 36-2011 Vol 1.ed.