

# ADHAV NARAYANAN

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## EDUCATION

University at Buffalo

- Sophomore
- Expected in 05/2025

Bachelor of Science

- Biomedical Engineering Major
- Pre-Medicine
- Honors College
- 3.986 GPA

## RELEVANT COURSEWORK

BIO200, 200LAB

- Provides evolutionary view of the world

BIO201, 201LAB

- Emphasis on interworking of cells and building blocks

CHE107, 127LAB, CHE108, 128LAB

- Extensive general chemistry background

CHE203, 205LAB, CHE204, 206LAB

- Organic chemistry background

PHY107, PHY108, 151LAB, 152LAB, 158LAB

- Background with various physics fields

EAS199, EAS202, EAS207, EAS360

- Extra engineering knowledge, presentation, and leadership skills

HON 102, 214

- Social and communication skills

ORB498

- Undergraduate Research

\*Note: all classes listed were completed with a letter grade A

## HONORS AND AWARDS

- Dean's List – Fall 2021, Spring 2021, Fall 2022
- Awarded Excellence in General Chemistry Award
- Presidential Volunteering Award (x2)

## OBJECTIVE

Seeking a position where I can integrate strategies and previous knowledge to explore and gain valuable experiences. I am looking to utilize my extensive knowledge to expand my reach.

## SKILLS

Problem-Solving, Leadership, Teamwork and Collaboration, Hard-Working, Confident, Self-Motivated, Speaks Multiple Languages, Extensive Science Knowledge

## EXPERIENCES

### PROJECTS, INTERNSHIPS, RESEARCH, VOLUNTEERING, ETC.

- **Hauptman-Woodward Internship:** studied proteins and their sequences, traced them in species, created models and presented research results, gained many leadership skills, very successful research experience
- **University at Buffalo Balu Lab:** shadowed graduate students conducting research on immune tolerance (T cells and B cells), and phosphatidylserine, wrote multiple research papers review by professor and given feedback
- **University at Buffalo Arany Lab:** shadowed graduate students conducting research on light therapeutics, as well as 3D printing of ligaments, managed two projects: PDMS mesenchymal stem cell differentiation and electrospinning, cell culture experience
- **Cell Biology (BIO201) TA:** experience as a teacher assistant, hosted review sessions, held office hours
- **Wind Turbine Design and Manufacturing Project:** designed and operated various experiments to maximize wind turbine efficiency, acted as 'team lead,' oversaw all actions to be completed, results were exceptional, produced above average watts per second
- **SDM Research Day:** presented a poster presentation on research with MDPC stem cell rescue systems with growth factors and inhibitors to professors and deans
- **Oishei Children's Hospital ER Clinical Experience (115 hours):** enrolled eligible children in the emergency department to various clinical studies (consent), interacted with patients, nurses and doctors
- **Pediatric Urgent Care Volunteering (208 hours):** handed out treats to children, shadowed and assisted doctors, interacted with patients in waiting rooms
- **University at Buffalo Symphonic Orchestra:** member of the first violin section, participated in various concerts, exceptional teamwork and collaboration
- **University at Buffalo Flag Football:** co-captain, 2021 team MVP, excellent teamwork experience
- **Panera Bread:** was previously employed at Panera Bread, engaged with customers