Utsav Sharma

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**Education**

**Bachelor of Science, Biochemistry** May 2025

University of Florida, Gainesville, FL

Relevant Coursework: Biochemistry, Biology, and Organic Chemistry

**Project Experience**

*Research Intern* May 2023 - August 2023

Summer Internship Program - National Institute of Health

* Created literature reviews regarding pandemic spread patterns
* Designed disease surveillance protocols using available literature and computer analysis to increase disease prevention mechanisms and reduce disease spread
* Analyzed quantitative and qualitative data and used R to determine stochastic effectiveness of each designed protocol

*Research Intern* May 2022 - July 2022

LSD-Hallucinogens Trial- Segal Trials

* Oversaw the data collection and analysis efforts of memory suggestion trials
* Observed and contributed on the paper regarding the results of the effect of hallucinogens in memory suggestion.

*Research Intern*  May 2021 - August 2021

FIU- Department of Public Health

* Devised a systematic review protocol to determine the psychological effect of caregiver burden of parents who have children that are transition-age autism.
* Conducted meta-analyses and intensive literature reviews to determine and evaluate literature regarding transition-age youth who have autism.

**Involvement**

*Cardiothoracic Research Team* August 2022 - Present

UF Dream Team Engineering

* Wrote and suggested efficacy based protocols for the modeled Berlin Heart.
* Presented paper protocol in CURB Research Conference
* Collaborated with Mechanical Engineers, Software Engineers, doctors, and UF medical students to create infantile prototypes

*3D Printing Outreach Team* August 2022 - Present

3D Printing Club at UF

* Planned and hosted events throughout the school year to promote STEM to middle schools and highschools in the Gainesville Area.
* Helped build and show 3D printers to highschool and middle school students to empower future engineers.

*Observership* August 2021 - Present

Medigators

* Participated in virtual and in-person observership of 20 medical professionals
* Collaborated with other pre-med students to involve freshman in observerships
* Attained 120 virtual and in person hours

**Technical Skills**

**Software Languages:**  R, Python, C++, and C#

**Research Skills:**  Literature Reviews, Meta-analyses, Statistical Analysis, and Scientific Writing

**Awards & Accomplishments**

* UF Presidential Scholarship
* Bright Futures Scholarship
* Miramar High School Valedictorian
* Dean’s List (x6)