



**Jumana Fathima**  
**Data Science Fellow**

*Data Science and Technology*

*“Global health is something I am extremely passionate about-- as someone who has family in rural India and has seen first-hand the inequality of healthcare in first and third world countries, I am passionate about decreasing this inequality.”*

Jumana is pursuing a degree in bioengineering and data science at the University of Washington, graduating in 2021. Her passion is to ensure quality of life for all people, irrespective of their socioeconomic status, and she is interested in using data driven solutions to help people in low resource settings.

As a high school sophomore Jumana learned about bioengineering while conducting a literature review on William’s Syndrome, a genetic illness. She explored gene editing as a cure and was excited about engineering life-saving solutions through a holistic approach. As a bioengineer she will be able to holistically consider biological, chemical, mechanical, and electrical aspects to issues.

Undergraduate research in the BIOE department has provided Jumana with a rich variety of experiences -- from wet lab hands-on experiments to data analysis and computational biology work -- and this experience will allow her to bring nuanced and creative solutions to global health issues.

Jumana credits both of her parents as her inspirations to work hard and stay motivated in her academic pursuits as they continue to be curious and passionate about learning, showing her that learning starts in the classroom but continues in everyday life.

Reversing the effects of global warming and creating a more sustainable planet is what Jumana considers to be the greatest challenge facing her generation.

Jumana is trilingual speaking Arabic which she learned in middle school, and Tamil, which her family in India speaks, in addition to her native English. When she isn’t working, Jumana enjoys reading fiction, specifically mystery and classic fiction, and hopes to run a 10K marathon in the future, and her motto is “Stay Curious!”