

# Srimanth Agastyaraju

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## ASPIRE

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October 13, 2021

Hello Donald S Williamson,

I am Srimanth Agastyaraju, a Master's in Data Science student at Indiana University Bloomington. I am an avid learner and curious about Machine Learning, cognitive science, and psychology in general. Swimming and graphic design are what I do during my free time.

As a current master's student, I have spent most of my time immersing myself in Data Science and Machine Learning. I am confident in my ability to perform as a Research Assistant in ASPIRE due to my extensive education and work experience.

ASPIRE is an amazing initiative to analyze audio and speech data. I find natural language quite fascinating, since it is complicated for machines to understand, but our human brain parses it quite intuitively. My past work includes projects in Natural Language Processing. As a result, I am familiar with NLP pre-processing techniques, knowledge representation and prediction using machine learning. For example, I have previously implemented, Stemming, Tokenization, cosine similarity, logistic regression etc. just to name a few. I believe these are related to the project Subjective Speech Assessment Prediction, which I found quite interesting. I am currently enrolled in the course Applied Machine Learning, which enables me to further understand the intricacies of ML algorithms. I would love to contribute to ASPIRE, especially in the Machine Learning aspect of the project.

I think this position looks both fun and challenging — and a place for me to further my career! If you have a moment, I would love to ask you more questions about the tools you are using and the types of projects I might be running if hired. I would like to thank you for your time and consideration. I look forward to hearing more about ASPIRE and the details of the Research Assistant position.

Sincerely,

Srimanth Agastyaraju