



DEPARTMENT OF MATHEMATICS

**From:** Sumona Mondal,  
Associate Professor  
Department of Mathematics  
Clarkson University

**To:** To Whom It May Concern

**Re:** Reappointment Letter for Supraja Gurajala, Department of Computer Science, SUNY  
Potsdam

To whom it may concern,

It is my great pleasure to provide this letter for Dr. Supraja Gurajala, who has been an outstanding collaborator from 2018. Supraja was an exemplary student in the Department of Computer Science, Clarkson University and graduated in August 2018. Our research interactions started in Spring 2018, a few months before she graduated, and made a steady progress since then. Being a close friend and colleague, I would like to add with high confidence that I am thrilled to work with somebody who works as tirelessly as she does and demonstrating a well-deserved success.

Supraja's main area of research is "social media sensing towards accurate prediction and analysis of events using big data from online networks". This is an important research area and the need for more research is constantly increasing. She has accomplished a number of publications during her graduate study and some of them received a high readership. Working closely with Supraja during her doctoral research, and her perfectionist attitude towards work was very much apparent. Since her graduation, she has been keeping an active research profile through presentation of her work in national and international conferences. She is also in the process of preparing a few manuscripts, which are expected to be submitted very soon.

I am pleased to report that Supraja was a participant of the David A. Walsh mini-conference on "Data Science Meets Healthcare, Bio and Environmental Science" at Clarkson University, held in August 2018, where I was one of the organizers. Her presentation was on the big data

theory titled “Can we build accurate spatiotemporal event models with social media data?” was very well received.

An exciting development of our collaborative interaction is working in an interdisciplinary research project on air quality monitoring. This project has started in collaboration with Prof. Suresh Dhaniyala, a distinguished figure in the field of aerosol science, and aims to predict air quality information at a high precision out of noisy data received from multiple resources such as low-cost sensors, satellite, and social media. We along with a few graduate students are focusing on building theoretical models to integrate different data resources to be able to achieve predictive accuracy comparable to a dedicated, expensive air quality monitoring stations. We are exploring the statistical decision-making tools and data mining approaches that will be suitable for this problem.

In summary, I feel Supraja is one of those individuals who are gifted in working across the boundary of a discipline and thus serves as an excellent ambassador for a program. I look forward to hear more success stories of her in the near future and whole-heartedly recommend her reappointment for her current position.

Please, feel free to contact me for any additional information, if needed.

Sincerely,

A handwritten signature in cursive script that reads "Sumona Mondal".

**Sumona Mondal.**