# Cover Letter: Teaching Assistant for APS1070 – Foundations of Data Analytics and Machine Learning

# Krutheeka Rajkumar

Student ID: 1004689553

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Dear hiring committee and David Duong,

I am a graduate student with the Mechanical and Industrial Engineering department at U of T and am writing to you in response to the Teaching Assistant job posting. I am currently pursing my masters in Industrial Engineering with an emphasis in Analytics. As part of my degree requirements I have taken Introduction to Data Science and Analytics (MIE 1624H) and Decision Support Systems (MIE 1513H) and scored an A-grade in both courses. I primarily code in Python and use Jupyter notebook and use other cloud based platforms for coding. The projects I have completed through these two courses allowed me to learn and implement python libraries such as scipy, numpy, pandas, matplotlib, NLTK, and much more. As part of my undergraduate degree, I was awarded a minor in Mathematics, so I am well versed with linear algebra, matrices, statistics and probability and my previous TA position was for the data structures course. During my last TA position, I was in charge of lab sessions every week (for 2 hours) where we assisted students in their weekly coding assignments – primarily in written in Java and SQL (in Microsoft access). Not only was knowledge of the subject matter necessary, but also effectively communicating to students to aid their understanding of the topic.

Apart from my qualifications and my activities, I believe I would be a perfect fit to be a TA because I am a pleasant person with excellent problem solving skills. I am an international student from India and have lived in the middle east and the United States before moving to Toronto. This quality makes me culturally open-minded and a reliable person for anyone to talk to. Being in engineering programs for five years allows me to grasp technical subjects quickly, troubleshoot problems and learn new software efficiently. Furthermore, having been through similar classes, I understand the level of support undergraduate students might need, and believe I would be able to effectively support them in this class.

I thank you for this opportunity and if you have any questions, please feel free to contact me at [krutheeka.rajkumar@gmail.com](mailto:krutheeka.rajkumar@gmail.com) or [krutheeka.rajkumar@mail.utoronto.ca](mailto:krutheeka.rajkumar@mail.utoronto.ca) or at (647)-549-6432

Best regards,

Krutheeka Rajkumar