# Getting your project work started

Your project supervisor will be reading this document prior to your first meeting.

## About You

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| Your full name (and student Registration Number) | Harsha Vardhan Bashetty (18055897) |
| DMD code of the MSc Project you are registered on  - please move the X to the appropriate row | |  |  |  | | --- | --- | --- | |  | 7COM1036 | Artificial Intelligence with Robotics Masters Project | |  | 7COM1037 | Computer Networking Principles and Practice Masters Project | |  | 7COM1038 | Software Engineering Masters Project | |  | 7COM1039 | Advanced Computer Science Masters Project | |  | 7COM1040 | Computer Science Masters Project | |  | 7COM1070 | Cyber Security Masters Project | | **X** | 7COM1075 | Data Science and Analytics Masters Project | |  | 7COM1077 | Computer Networks and Systems Security Masters Project | |  | 7COM1086 | 7COM1086Artificial Intelligence and Robotics Masters Project | |
| one-semester or double-semester | One-semester |
| A brief account of your programming experience | I am very proficient with the Python programming language and its libraries Numpy, Pandas, Matplotlib, Seaborn, Sklearn, TensorFlow, Keras and NLTK. I am comfortable with R and its popular packages Dplyr, Ggplot2 and Mlr. I know the basics of MATLAB and C. |
| A brief account of your academic writing experience | Having gone through the many academic articles and research papers as part of the previous core and non-core modules, I am aware of the structure and components that make a good academic report. And I am planning to further improve my academic writing skills on weekly basis by revising the material provided by the University. |
| Your main hopes and fears for the project | I hope to work on a project that will help my prospects of finding a full-time job after my graduation. I am a bit worried to pick a project that would not be able to finish by the deadline. |
| Short bio (a short Twitter-like bio, i.e. no more than 160 characters) | I am Harsha Bashetty, a September 2019 intake MSc Data Science student with a deep interest in the field of Machine learning. I have hands-on experience with Data science methods by doing many personal projects. I am always fascinated by languages and how deep learning could be used to efficiently translate one language to another. Hence, I want to do a project based on Machine translation using LSTM. |
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## About Your Project

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| Proposed Project Title (if you have one) | Machine translation using Encoder-Decoder LSTM (Long short-term memory) |
| Brief description of your proposed project:   * Problem you are trying to solve; * Technologies you will use; * Any initial ideas on how findings from the literature will inform your work. | * Translating a text in English to French * TensorFlow and Keras * Based on brief literature review this approach seems to produce a more accurate translation than most of the previous methods |
| Anything else that you would like to say about yourself in relation to this module |  |