

### Contact Details

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### Links

[LinkedIn](https://www.linkedin.com/in/richa-lad-801436132/)

[GitHub](https://github.com/richa-lad)

[Kaggle](https://www.kaggle.com/richalad/notebooks)

**Skills & Experience**

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| --- | --- |
| HTML | |
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| --- | --- |
| CSS | |
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| JavaScript | |
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| NodeJS | |
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| Python | |
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| --- | --- |
| SQL | |
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| MS Office | |
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| GraphQL | |
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| --- | --- |
| MongoDB | |
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| LaTeX | |
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| --- | --- |
| MATLAB | |
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| Azure | |
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### Hobbies

Playing the Sitar, playing the guitar, tinkering, playing team sports

# Courses

## Machine Learning, Coursera

January 2020 — September 2020

# Employment History

## AI Research Engineer, IBM Hursley

September 2021 - September

* Core role involves building a Python Library allowing users to use Natural Language to query structured data, researching prior art and collaborating with one other intern
* Using Pandas, Numpy, Sklearn and Keras to build machine learning models including MLPs and LSTMs to compete in company competitions
* Hoping to assist on climate related projects in the future

## Private STEM Tutor, Remote

November 2020 — May 2021

* Used own initiative to seek out students
* Organised lesson plans alongside completing a Master’s Degree
* Communicated complex ideas from Maths, Physics, Chemistry and Computer Science clearly and effectively

## Coding Tutor, Educademy, Remote

July 2020 — September 2020

* Collaborated with peers over Zoom to create fun, interactive, engaging lesson plans
* Created original source codes in Scratch and Python
* Created online content in the form of blog posts and videos for the website

## Operations Analyst, Koru kids, London

August 2019 — April 2020

* Solved customers problems over the phone and via email to ensure a positive experience
* Became an adaptable, fast learner as company processes are always changing in a start up
* Worked in a team to pair families who need care with the perfect nannies

# Societies

## Social Secretary at UCL Greenough Society

September 2019 — July 2020

* Organised events such as the annual Society Christmas Dinner
* Liaised with committee members to plan event dates and event budgets
* Co-managed social media streams (Facebook, Instagram)

**Women's Football at UCL**

December 2017 — February 2020

* Casually attended UCL Women's Football Training sessions

# Education

## Computer Science MSc (Awaiting Degree Classification), University College London

September 2020 — September 2021

* Modules taken in Algorithmics, Databases, Computer Architecture, Operating Systems, Programming in Python, Artificial Intelligence and Neural Computing, Machine Learning, App Engineering and Human Computer Interaction, averaging 80% in these modules
* Master’s project focussed on creating VR experiences to enable better rehabilitation for stroke patients and other neurodegenerative diseases

## Geophysics BSc (1st), University College London

September 2017 — August 2020

* Core skills in Mathematics such as Linear Algebra, Calculus, Vector Calculus and Classical Mechanics
* Scientific Programming in MATLAB and report writing in LaTeX

## A Levels, Watford Grammar School for Girls

September 2014 — July 2016

* 2A\*s 1A in Physics, Chemistry and Mathematics respectively
* 2As at AS Level in Further Mathematics and Geography

## GCSEs, Watford Grammar School for Girls

September 2009 — July 2014

* 11A\*s including Mathematics, Statistics, Physics, Chemistry, English, and French

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# Volunteering

## Geoscience Outreach Day, London

October 2018

## Ada Lovelace Day, London

October 2021

C#

Unity

Richa Lad  
Driven, conscientious AI Research Engineering intern at IBM