**Personal Information**

**Salem Ameen**

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| Email: [s.a.ameen1@salford.ac.uk](mailto:s.a.ameen1@salford.ac.uk) | |
| GitHub: https://github.com/SalemAmeen | |
| Google Scholar: <https://scholar.google.com/citations?user=CE5vFPKBy44C&hl=en> | |

**Research Interests**

I am a researcher with good mathematical background & experience in Artificial Intelligent, data science, Online Learning, Robotics, Machine Learning and Deep Learning.

**Present Appointment**

**2018 —Present The University of Salford**

Hourly paid lecturer contract (Module leader) with Salford University to teach the following:

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| Subject | Year |
| Artificial Intelligent | Master Students (Level 7) / semester 2 / 2020-2021 - present |
| Mobile Robotics | Master Students (Level 7) / semester 2 / 2022 - present |
| Probability | Level 4 - 2019-2020 – present |
| Computing Laboratory | Level 4 - semester 2 / 2021-2022 (Computing part) – present |
| Mathematics and Computing | Level 5 - semester 2 / 2021-2022 (Computing part) – present |
| Numerical analysis | Level 4 - semester 2 / 2018-2019 |
| Foundation mathematics 1 | Level 3 – 2018 - present |
| Foundation mathematics 2 | Level 3 – 2018 - 2022 |

**Previous Appointments**

**2002 —2012 Central Bank**

Data analysis position, R software trainer and Microsoft office trainer

**Education**

**2013 — 2017 The University of Salford, UK**

* **PhD Information System**

Thesis: ‘*Optimizing Deep Learning Networks using Multi Armed Bandit Algorithms’*

My thesis develops new algorithms for pruning that utilize a framework, known as a multi-armed bandit, which has been successfully applied in applications where there is a need to learn which option to select given the outcome of trials.

**2007 — 2010 Jaypee Institute of Information Technology (JIIT), India**

* **Master of Technology (M.Tech) in Computer Science and Engineering (Top 2)**

**2002 — 2005 Higher Studies Academy, Libya**

* **MSc in Computer Science (Top 1).**

**1994 — 1998 Seventh of April University, Libya**

* + **Bachelor of Engineering (B.Eng.), Computer Engineering (Top 1)**

**Research**

* A convolutional neural network to classify American Sign Language fingerspelling from depth and colour images, S Ameen, S Vadera, Expert Systems 34 (3) , 2017
* Methods for pruning deep neural networks, S Vadera, S Ameen, IEEE Access 10, 2022
* Pruning neural networks using multi-armed bandits, S Ameen, S Vadera, The Computer Journal 63 (7), 1099-1108

**Technical Skills**

***Programming Languages and Database***

* Python, Lua, C/C++, C#, R software, MATLAB, Assembly, Fortran and Java.

***Machine learning, Statistical and Data Mining platforms***

* TensorFlow, Keras, Pytorch, torch7 and many others.

***Operating Systems***

* Linux, macOS and Windows.