Personal Information
Salem Ameen

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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:

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.