

# Sameen Islam

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Grasping the unknown and bringing certainty to an uncertain future is a key driver of my personality.

## Skills

- ❖ **Practical highlights:** Experiment with RLS and Kalman filter to track signal from autoregressive model, exploration of property price data and prediction using tree based methods, experiment comparing variants of gradient descent for optimisation, experiment effect of hidden units in MLP for classification
- ❖ **Packages:** PyTorch, TensorFlow, NumPy, Scikit-learn, Pandas, Matplotlib, OpenCV, Spark, Hadoop
- ❖ **Languages:** Python, C, C++, Java, JavaScript and Dart
- ❖ **GitHub** portfolio and blog available via personal website <https://sameen.info/>

## Education

University of Southampton

**Master of Science, Artificial Intelligence** ❖ 2020 – 2021 ❖ Expected Graduation: September 2021

- ❖ **Modules:** Deep Learning, Reinforcement Learning, Advanced Machine Learning, Computer Vision

Queen Mary University of London

**Bachelor of Science (Hons), Computer Science with Industrial Experience** ❖ 2014 – 2018 ❖ First Class

- ❖ **Modules:** Software Engineering, Algorithms & Data Structures, Database Systems (SQL & noSQL)

## Professional Experience

Accenture — City of London

**System Developer Analyst**, 2018 – 2019

Placed in consultancy teams within investment banks.

- ❖ Software development under agile methodology; contributed to documentation and designed system diagrams for communicating architecture to team located across the world
- ❖ Responsible for maintenance and feature development of framework which used a message passing interfaces

Airbus — Stevenage

**Spacecraft Database Developer**, 2016 – 2017

Placed in ExoMars Rover development team, European Space Agency's first robotic exploration mission on Mars.

- ❖ Developed Java library with NoSQL elements to support scripting operations, resulting in time saved. This library was extended further by other team members
- ❖ Full documentation of work: software spec, test spec, test outcome report and user manual. Presented tool to database community

## Achievements

- ❖ Secured grant of £3,600 from university for team travel to Silicon Valley to pitch hack in tech conference (as undergraduate).
- ❖ Team won £11,500 as grand prize in hackathon and covered by the Huffington Post [<https://bit.ly/3m0rC6Q>] (as undergraduate).