Rohan **Nittur**

✉ R.Nittur@sms.ed.ac.uk   🌐 rohan-nittur.github.io

High achieving penultimate year student at the University of Edinburgh on track for a First in the Masters in Informatics programme. Excel at mathematics & problem solving. Strong leadership and communication capabilities. Eager to expand my knowledge while gaining experience in software engineering and machine learning in industry. Looking to make a positive and lasting contribution.

Education

University of Edinburgh

- Currently studying *MInf Informatics* (Grad Jun. 23)
- Predicted First (Cumulative Average of 80%)
- Relevant topics covered:
  - SWE | ML | Algebra | Data Structures | Calculus | Data Analysis | Discrete Math | Quantum Computing | OOP | Probability | Algorithms | Software Testing | FP

Royal Grammar School Guildford

- AS-Level/A-Level:
  - Mathematics - A/A
  - Further Mathematics - A/A
  - Physics - A/A
  - Latin - A/A
- FSMQ: Additional Mathematics - A
- GCSEs : 9A*s + 1 A

Proficiencies

- Python ●●●●●
  Julia ●●●●●
  Haskell ●●●●○
  Java ●●●●○

- Tools - Git, Firebase, PyTorch, Eclipse, VS Code, JUnit, Keras, Materialize.
- Full stack web development.
- Strong analytical and mathematical aptitude.
- Deep Learning & Numerical Simulation.
- Communication & teamwork.
- Reporting & Design - LaTeX, Inkscape, Blender.

Interests

- Maths | ML | Simulation & AI | Astrophysics | Quantum Computing | Deep Learning | Music | Cricket | Data Analysis & Modelling

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Awards & Experience

2nd Place, National FinTech Hackathon

📅 May 2021 📍 U.K.

IOT enabled water filtration plant that stores data on blockchain to aid water crises in poorer countries.

CREST Gold Award

📅 Jun 2017 📍 Uni of Surrey

Mathematical modelling of carbon sequestration potential of urban soil- a possible aid to combat global warming.

President, Programming Society

📅 Sept 2020 📍 Uni of Edinburgh

Responsible for creating and running the programming society affairs including teaching events, soliciting sponsors and fundraising.

Work Ex. Insight Week

📅 Jul 2016 📍 Anglo American plc.

Analysing the use of data science techniques to improve mine operation productivity.

Deep Learning Specialisation Certificate

📅 Jun 2020 📍 Coursera

Build and train neural network architectures such as CNNs, RNNs, LSTMs, Transformers; optimise with strategies such as Dropout, Batch-Norm, Xavier/He initialization etc.

Personal Projects

📅 2018-21 📍 U.K.

Sustainable shopping list generator, NLP minority entrepreneur app, 3d simulation of an n-body gravitational system, smart recipe generator, motorised astrophotography aid, AI Tic-Tac-Toe.