

Kannan Sekar

London, England, United Kingdom

kannansekara@gmail.com

[linkedin.com/in/kannan-sekar](https://www.linkedin.com/in/kannan-sekar)

Summary

Machine learning is my primary field of interest.

Experience



Chief Executive Officer

Kannan Industries

Jul 2022 - Present (1 month +)

DRai Token DeFi update soon

Software Engineer

Endowment Science

Jul 2022 - Present (1 month +)

TechLead & Software Engineer at EndowmentScience.com

Focused on Python, Tensorflow, Django, Flutter, iOS, Android, Web 3.0, Firebase, Google Cloud Products.



Data Science Internship

NHS Digital

Nov 2019 - Nov 2019 (1 month)

Developed a Natural Language Processing project (for Patient Diagnoses mapping) in Python to predict ICD9 codes by using word embedding tools such as Word2Vec, dimensional reduction (TSNE), and then training an LSTM recurrent neural network on a sequence of ICD9 codes of past patient data to prognostically predict future diagnoses.

Attended sprint planning sessions, agile sessions. Took on a NLP project, and presented it.



Internship

Kennedy Institute of Rheumatology

Nov 2019 - Nov 2019 (1 month)

Shadowing Informatics manager, coming back for more work experience later. Learnt about how neural networks work fundamentally and how to implement them in Tensorflow. Image classification and digit classification using MINST datasets. Made a LSTM cryptocurrency trading bot.

Education



Royal Grammar School Newcastle

A Level, Mathematics, Further Mathematics, Physics

Sep 2017 - Aug 2020

A* Mathematics, A* Further Mathematics, A* Physics



Royal Grammar School Newcastle

GCSE, Mathematics, Physics, Chemistry, Biology, Economics, English Literature, Spanish, Further Maths
Sep 2012 - Aug 2017



UCL

Master of Engineering - MEng, Computer Science
Sep 2021 - Present

Licenses & Certifications



CS50x - Harvard University

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Python 3 - Codecademy



Artificial Intelligence - MIT OpenCourseWare



Machine Learning - Stanford University

WZPCZKU8PJA9



Deep Learning - DeepLearning.AI

BDYCCTSVUHD3

Skills

Mathematics • Machine Learning • Python (Programming Language) • Artificial Intelligence (AI) • Physics • Deep Learning • Programming • Algorithms • Data Structures • Computer Vision

Honors & Awards



Data Science Intern - NHS Digital

Nov 2019

Innovative Uses of Data Team Mr Jonathan Hope



UKMT Challenge - Royal Grammar School Newcastle

Sep 2016

Silver United Kingdom Mathematics Trust

Taught by Mr H Rashid (2019), Mr T E Keenan, Mr Gibson and Mr D A Jardine (2017), Mr Watkins (2016)



British Physics Olympiad - Royal Grammar School Newcastle

Oct 2018

BPhO

Taught by Mr J L Camm and Mr E T Rispin



3x Headmaster's Prize - Royal Grammar School Newcastle

Aug 2017

Mr Bernard Trafford

<https://twitter.com/bernardtrafford?lang=en>