Kannan Sekar

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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

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

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
7A*s 4as.
A*s in Mathematics, Physics, Chemistry, Biology, Economics, English Literature, Spanish

As in Further Mathematics, English Language, History, Geography.

Licenses & Certifications

CS50x - Harvard University
6e593e86fca2494b8b1c9af455a8d29d

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 - Innovative Uses of Data Team Mr Jonathan Hope
Nov 2019

UKMT Challenge - United Kingdom Mathematics Trust
Sep 2016
Taught by Mr H Rashid (2019), Mr T E Keenan, Mr Gibson and Mr D A Jardine (2017), Mr Watkins (2016)

British Physics Olympiad - BPhO

Oct 2018

Taught by Mr J L Camm and Mr E T Rispin

3x Headmaster's Prize - Mr Bernard Trafford

Aug 2017

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