

Kannan Sekar Annu Radha

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EDUCATION

UNIVERSITY COLLEGE LONDON MENG IN COMPUTER SCIENCE

GPA: 4.0/4.0

Sept 2021 - June 2025 | London, UK

ROYAL GRAMMAR SCHOOL

Sept 2012 - Aug 2020 | Newcastle, UK

A Levels

3A's GPA: 4.0 / 4.0

A* Mathematics, A* Further

Mathematics, A* Physics

GCSEs

7A's 4As GPA: 4.0 / 4.0

COURSEWORK

UNDERGRADUATE

Artificial Intelligence

Algorithms

Compilers

Object Oriented Programming

Functional Programming

Computer Architecture and Concurrency

Machine Learning

Discrete Mathematics

SKILLS

TECHNICAL SKILLS

Proficient with:

Python • C/C++ • Java • Haskell

Javascript • React • Node.js • MATLAB

PostgreSQL • HTML • CSS

Git • Agile(Scrum) • Tensorflow

SMALL PROJECTS

TECHNICAL PROJECTS

- Python Tetris AI
- IoT Bioreactor Cloud UI
- Robot Abstraction in C
- iOS Web Browser in Swift
- iOS Watch App with Swift and CoreMotion
- sakannan.com



EXPERIENCE

NHS DIGITAL | DATA SCIENCE INTERN

Nov 2019 | Leeds, UK

- 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.
- Trained a 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 an NLP project and presented it.

KENNEDY INSTITUTE OF RHEUMATOLOGY

UNIVERSITY OF OXFORD | SOFTWARE ENGINEERING INTERN

Nov 2019 – Dec 2019 | Oxford, UK

- Shadowed Informatics Manager
- Learnt about how neural networks work fundamentally and how to implement them in Tensorflow.
- Image classification and digit classification using MNIST datasets.
- Made a LSTM cryptocurrency trading bot.

TECHNICAL PROJECTS

NLP PROJECT | WEBSITE, GITHUB

Nov 2019 | Leeds, UK

- Used Python design patterns.
- Developed with Python, Tensorflow, Keras, Pandas, Scipy, Gensim.

CRYPTOCURRENCY TRADING BOT | WEBSITE, GITHUB

Dec 2019 | Oxford, UK

- Developed a LSTM cryptocurrency trading bot with Python and Tensorflow.
- Used AWS EC2 and S3 buckets.

YOTECOIN | WEBSITE, GITHUB

Oct 2019 | Newcastle, UK

- Deployed ERC20 Ethereum token to blockchain. Written in Solidity.

AUGMENTED REALITY | WEBSITE, SNAPCHAT

Jan 2018 | Newcastle, UK

- AR filter for Snapchat with 2.58 Million views and 100K downloads.

LICENCES AND CERTIFICATIONS

CERTIFICATIONS | WEBSITE, COURSERA

Sept 2020 - Mar 2021 | Newcastle, UK

- Deep Learning Specialization by DeepLearning.AI
- Machine Learning by Stanford University
- CS50 by Harvard University