







Certificate of Achievement

Abhijeet Sahdev

has completed the following course:

INTRODUCTION TO BLOCKCHAIN TECHNOLOGY AND APPLICATIONS UCL (UNIVERSITY COLLEGE LONDON) AND UCL CENTRE FOR BLOCKCHAIN TECHNOLOGIES

This course enhanced understanding of DLT and blockchain technology and explored how it can be used to solve business problems.

4 weeks, 2 hours per week

Paolo Tasca

Executive Director
UCL Centre for Blockchain Technologies

Nikhil Vadgama

Deputy Director
UCL Centre for Blockchain Technologies











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STUDY REQUIREMENT

4 weeks, 2 hours per week

LEARNING OUTCOMES

- Explain what problems blockchains solve
- Describe what the properties of a blockchain system are
- Demonstrate knowledge of the key stakeholders in the blockchain ecosystem
- Compare decentralised and centralised systems, what the pros and cons of both are and why decentralisation is a key property of a blockchain
- Explain how blockchains could be used for payments
- Describe how cryptography and consensus mechanisms are used in blockchain systems
- Demonstrate knowledge of how blockchain can be used in supply chains
- Explain what smart contracts are, how they can be applied and how they differ from conventional contracts
- Apply the UCL Blockchain Framework to see if a business problem could be solved with the application of blockchain technology
- Reflect on how blockchain technology could lead to transformational business models and disruption in our conventional socio-economic systems
- How blockchain is being applied in decentralised finance (DeFi)
- How Central Bank Digital Currencies (CBDCs) may revolutionise cash

 How Bitcoin, Ethereum and other cryptocurrencies are being used and applied today

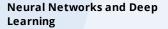
SYLLABUS

- What are blockchains and distributed ledger technologies?
- How blockchains can be used as a means to decentralise processes, for example payments
- How blockchains can be applied to supply chains to improve transparency and better reconciliation of data
- How blockchains can be used as a means of establishing better provenance and how smart contracts can be used to automate processes that rely on trusted information
- Practical case study examples of blockchain and DLT use
- Hear from real-world companies on deployments of this revolutionary technology
- Learn frameworks on how to apply DLT to your business or to a use case





5 Courses



Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization

Structuring Machine Learning Projects

Convolutional Neural Networks

Sequence Models



30-Jul-2021

Abhijeet Sahdev

has successfully completed the online, non-credit Specialization

Deep Learning

Congratulations! You have completed all 5 courses of the Deep Learning Specialization. In this Specialization, you built neural network architectures such as Convolutional Neural Networks, Recurrent Neural Networks, LSTMs, Transformers, and learned how to make them better with strategies such as Dropout, BatchNorm, and Xavier/He initialization. You mastered these theoretical concepts, learned their industry applications using Python and TensorFlow, and tackled real-world cases such as speech recognition, music synthesis, chatbots, machine translation, natural language processing, and more. You are now familiar with the capabilities and challenges of deep learning. You are ready to take the definitive step in the world of Al and participate in the development of leading-edge technology.

Andrew Ng, Founder, DeepLearning.Al

Kian Katanforoosh Co-founder, Workera

Younes Bensouda Mourri Instructor of Al, Stanford University

The online specialization named in this certificate may draw on material from courses taught on-campus, but the included courses are not equivalent to on-campus courses. Participation in this online specialization does not constitute enrollment at this university. This certificate does not confer a University grade, course credit or degree, and it does not verify the identity of the learner.

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