

THE UNIVERSITY OF  
**SYDNEY**

Sep 21, 2023

## Abhijeet Sahdev

has successfully completed

### Blockchain Scalability and its Foundations in Distributed Systems

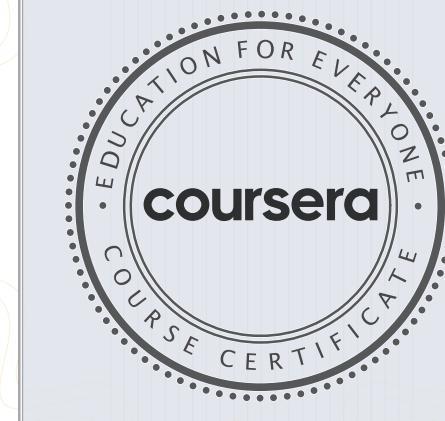
an online non-credit course authorized by The University of Sydney and offered through  
Coursera

A handwritten signature in black ink, appearing to read "Vincent Gramoli".

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Vincent Gramoli  
Associate Professor  
School of Computer Science

COURSE  
CERTIFICATE



Verify at:  
<https://coursera.org/verify/WWTBFKYQAM3T>

Coursera has confirmed the identity of this individual and their  
participation in the course.



# STATEMENT OF ACCOMPLISHMENT

#362,948

HAS BEEN AWARDED TO

**Abhijeet Sahdev**

FOR SUCCESSFULLY COMPLETING

**Data Scientist with Python**

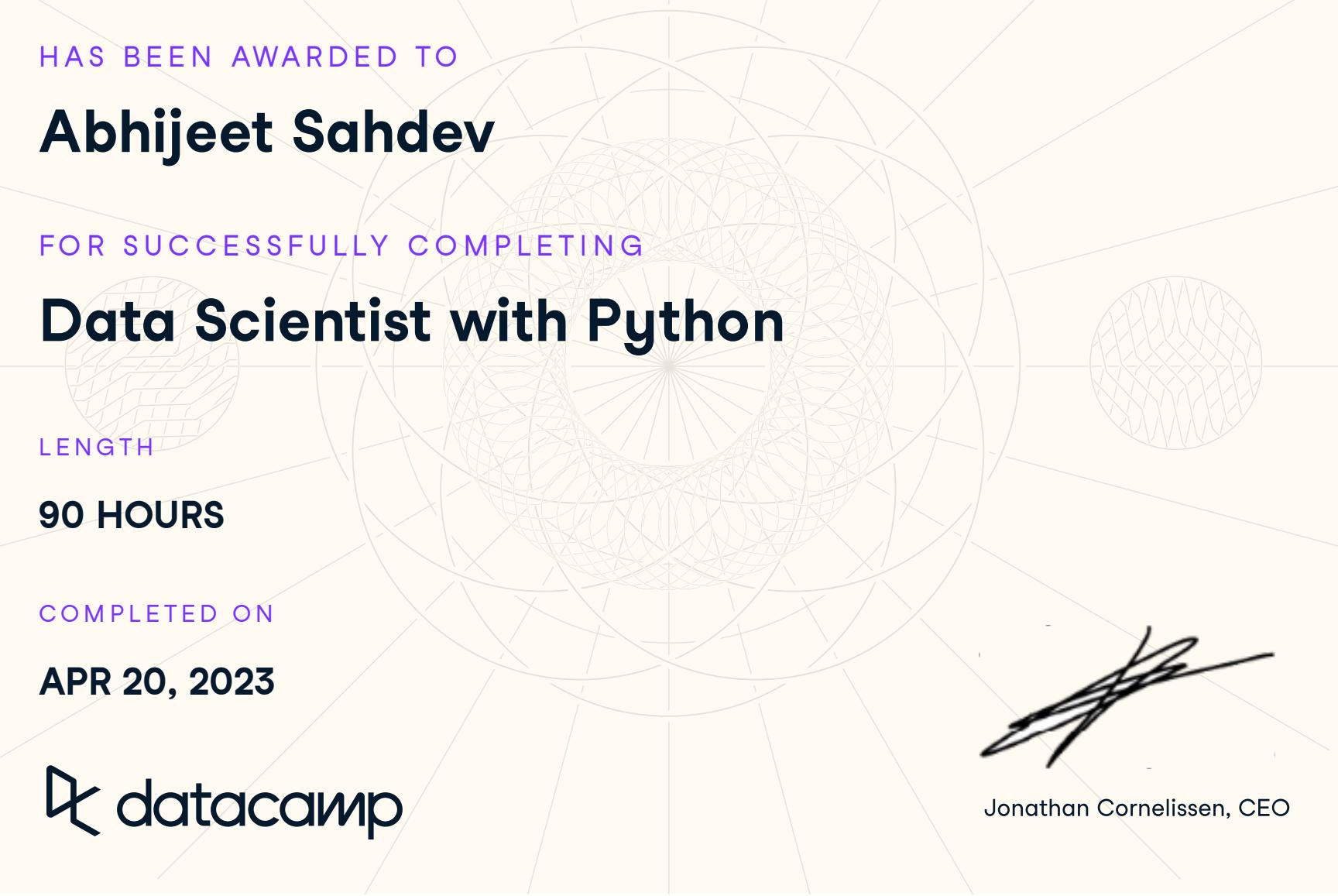
LENGTH

**90 HOURS**

COMPLETED ON

**APR 20, 2023**

 **datacamp**



A large, faint watermark-like graphic in the background features concentric circles and a central sunburst pattern, all composed of fine lines, set against a light gray background.

Jonathan Cornelissen, CEO

# *Certificate of Completion*

*This is to certify that **Abhijeet Sahdev** successfully completed 22 total hours of **Flutter & Firebase: Build a Complete App for iOS & Android online** course on Aug. 16, 2020*

*Andrea Bizzotto*

Andrea Bizzotto, Instructor



#BeAble

Certificate no: UC-4410337f-efa2-445a-8625-35f381e58ed6  
Certificate url: ude.my/UC-4410337f-efa2-445a-8625-35f381e58ed6

# Certificate of Completion

*This is to certify that **Abhijeet Sahdev** successfully completed 26 total hours of **Flutter & Dart - The Complete Flutter App Development Course** online course on June 20, 2020*

*Paulo Dichone | Android, Java, Flutter Developer and Teacher*

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Paulo Dichone | Android, Java, Flutter Developer and Teacher, Instructor



Certificate no: UC-0e6e1858-ce9e-492a-b42b-1838dc71eecf  
Certificate url: [ude.my/UC-0e6e1858-ce9e-492a-b42b-1838dc71eecf](https://ude.my/UC-0e6e1858-ce9e-492a-b42b-1838dc71eecf)



#BeAble

A circular seal with a blue border and a white center. The text '#BeAble' is written in a dark blue, sans-serif font in the center of the seal.

# Certificate of Completion

*This is to certify that **Abhijeet Sahdev** successfully completed 3 total hours of **Flutter REST API Crash Course: Build a Coronavirus App** online course on*

**July 1, 2020**

*Andrea Bizzotto*

Andrea Bizzotto, Instructor



Certificate no: UC-2a8d61f0-2751-4ae8-b8c2-0a7905080db7  
Certificate url: ude.my/UC-2a8d61f0-2751-4ae8-b8c2-0a7905080db7

#BeAble



## 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



The person named on this certificate has completed the activities in the attached transcript. For more information about Certificates of Achievement and the effort required to become eligible, visit [futurelearn.com/proof-of-learning/certificate-of-achievement](https://futurelearn.com/proof-of-learning/certificate-of-achievement).

This certificate represents proof of learning. It is not a formal qualification, degree, or part of a degree.





## 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.

#### 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

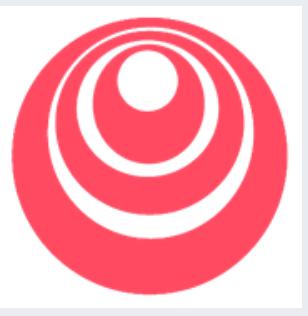
**Neural Networks and Deep Learning**

**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 AI and participate in the development of leading-edge technology.

A blue ink signature of the name "Andrew Ng".

Andrew Ng,  
Founder,  
DeepLearning.AI

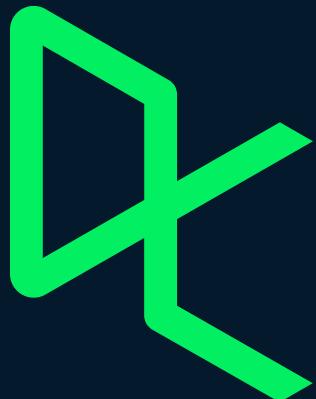
Kian Katanforoosh  
Co-founder, Workera

Younes Bensouda  
Mourri  
Instructor of AI,  
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.

Verify this certificate at:

[coursera.org/verify/specialization/9DMW9KDH8JUF](https://coursera.org/verify/specialization/9DMW9KDH8JUF)



# STATEMENT OF ACCOMPLISHMENT

#28,683,129

HAS BEEN AWARDED TO

**Abhijeet Sahdev**

FOR SUCCESSFULLY COMPLETING

**Introduction to ChatGPT**

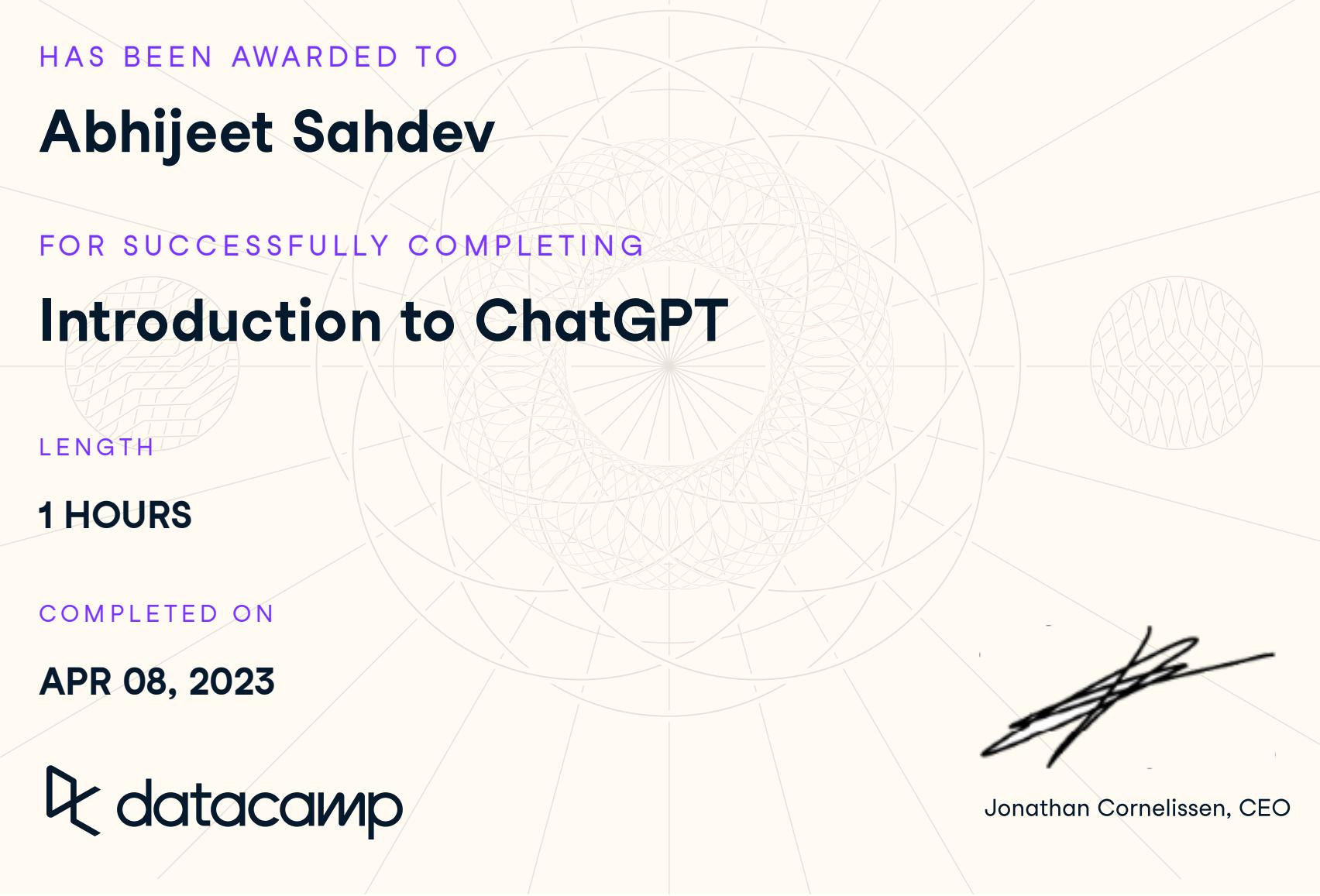
LENGTH

**1 HOURS**

COMPLETED ON

**APR 08, 2023**

 **datacamp**



A large, faint watermark-like graphic in the background features concentric circles and a central sunburst pattern, all composed of fine, light gray lines.

Jonathan Cornelissen, CEO