Double Certified Course
for Beginners

edX | IBM

Our innovative and rigorous course delivered in collaboration with IBM will help kickstart your learning of Python for data science, as well as programming in general. This beginner-friendly Python course will quickly take you from zero to programming in Python in a matter of hours and give you a taste of how to start working with data in Python.

Certifications & Awards.
1. Certificate of Achievement in Python Basics for Data Science from IBM.
2. Certificate of Excellence from Ureka Education, UK.

Python Fundamentals for Data Science.

Preparing participants to lay a strong foundation to a fruitful career in the field of Data Science

Continuous Coaching
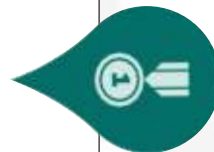Learning Coach will support delegates throughout the program.

Fully Blended Program
5-week program with 25+ instructional hours from IBM

Practical Exercises
Delegates apply all concepts

5 Live Mentor Sessions
By ex Lead Data Scientist, GE, Microsoft

5 E-Learning Modules
25+ instructional hours

Learning Outcomes:
- Understand What Python is and why it is useful
- The application of Python to Data Science
- How to define variables in Python
- Sets and conditional statements in Python
- The purpose of having functions in Python
- How to operate on files to read and write data in Python
- How to use pandas, a must have package for anyone attempting data analysis in Python.

Content Structure

1. Module 1 - Python Basics, Your first program, Types, Expressions and Variables, String Operations
2. Module 2 - Python Data Structures, Lists and Tuples, Sets, Dictionaries
3. Module 3 - Python Programming Fundamentals, Conditions and Branching, Loops, Functions, Objects and Classes
4. Module 4 - Working with Data in Python, Reading files with open, Writing files with open, Loading data with Pandas, Working with and Saving data with Pandas
5. Module 5 - Working with Numpy Arrays, Numpy 1d Arrays, Numpy 2d Arrays
6. Get deep, practical insights and handholding to solve your first Data Science problems from your Mentor.

MENTOR

Course Instructor - IBM

Joseph Santarcangelo is currently working as a Data Scientist at IBM. Joseph has a Ph.D. in Electrical Engineering. His research focused on using machine learning, signal processing, and computer vision to determine how videos impact human cognition.

Ureka Mentor – ex GE, Microsoft

Yavar Husain is an award winning Data Scientist having more that 16 years of extensive international experience with some of the best and biggest corporate names in the industry like GE, Microsoft, IBM and Computer Associates (CA).

DURATION

Estimated Effort:
8-10 hours/week on E-learning
25+ instructional hours
Duration: 5 weeks

FEES

5 Weeks - $250/-

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Online Training + Online Internship

With option to get Certification from:

edX | IBM

Set out on a structured path to build an International Career in Data Science.

This unique online Internship Programme with live mentoring sessions is designed for those who wish to make a successful career in the field of Data Science. This is not a course, there are no theory classes.

Participants are given increasingly difficult, weekly tasks in the form of unique data science problems using live data sets that they solve under the able guidance of an International Mentor, while working with fellow interns from different countries.

Programme Objectives
Develop such a level of competency in participants that they can apply for paid freelance opportunities in Data Science and hence, take the first steps towards building a successful career in the field.

This Internship Programme along with the freelance projects would help participants build a strong profile and gain experience that would help them enter the world of Data Science.

Internship Training Programme DATA SCIENCE.

Work on live-data sets from these companies and more:

amazon | Google | NETFLIX | NYSE | IBM

Through training and real, hands-on work - develop Skills, build Confidence and gain Competency in:
Python, Flask, Algorithms and Data Structures, Machine Learning, NLP, REST, Clouds, Git, Data Scraping

Live Mentor Hours
4 weeks - 24+ hours
8 weeks - 48+ hours
10 weeks - 60+ hours

Live Projects
4 weeks - 3 projects
8 weeks - 6 projects
10 weeks - 8 projects

Industry Expert Session
4 weeks - 1 session
8 weeks - 3 sessions
10 weeks - 4 sessions

Learning Highlights

✓ Learn about Real-world Machine Learning & the Challenges (look beyond just fit and predict).

✓ Build Strong Fundamentals - Derive Logistic Regression equation; Understand cross validation; Why is one hot encoding required? Non-Parametric Models (Trees) vs Parametric models; How non-linearity works? What are vanishing gradients? What is the difference between Generative and Discriminative models? What is curse of dimensionality? and more.

✓ Solve unstructured text conundrums, tf-idf, word-vector embeddings, and more.

✓ Solve interesting problems using a variety of interesting structured and unstructured datasets. For example, create topic models for an open Airbnb dataset and then rank the clusters.

✓ In light of rapid advancements in Auto-ML, get motivated to learn, unlearn and re-learn. Guidance and Help with picking up complementary skills like Search, Distributed Systems, Real Time Analytics, Machine Learning on Cloud, DevOps in Data Science, Machine Learning in production and more

✓ Exclusive interactive session with a reputed Data Scientist from the Industry.

✓ What to expect in Data Science interviews?

✓ Handouts (Ureka Notes & Videos) helpful to solve the internship task for the week

✓ Team Exercises and Collaborative Work throughout the internship.

✓ Soft skills for Data Science professionals.

MENTOR

Yavar Husain is an award winning Data Scientist having more that 16 years of extensive international experience with some of the best and biggest corporate names in the industry like GE, Microsoft, IBM and Computer Associates (CA).

His expertise is in designing Algorithms and constructing Data Structures for Search, Machine Learning & Natural Language Processing for heterogeneous datasets - Large-scale Web Search, Unstructured Text, Manufacturing, Time Series, News, Resumes/Jobs, Insurance & Aviation.

Yavar worked as a Lead Data Scientist at General Electric Research where he was involved in Research & Development of Industrial Natural Language Processing Algorithms for GE Power Answer Center & was also a part of GE Smelter Center of excellence where he contributed towards building Virtual sensors for Aluminium of Greece (World's first successful Smelting Artificial Intelligence implemen-tation). For his work at GE, Yavar received several awards including the coveted Head of GE Research Annual Award for contributions in Text Mining & Search. In his role as a Lead Data Scientist, Yavar had also led, mentored & inspired several junior data scientists and interns from prestigious universities.

ENTRY REQUIREMENT

The programme is available in two options for the following candidates.

A. 4 weeks – Only for those with strong Python skills and intermediate level familiarity with Data Science tools and concepts.

B. 8 weeks – This is the recommended programme for all participants and is available for both:
  a. Those who have python skills but no Data Science background but yet are serious about making a career in the field.
  b. Those with no python skills. The first three weeks of the programme are spent in learning Python and the balance five weeks on developing Data Science skills.

DURATION & FEES

4 Weeks - $250/-

8 Weeks - $490/-

10 Weeks - $675/-

Training participants in the techniques and practices of offensive cybersecurity.

This internship training with the most contemporary industry curriculum is tailored especially to meet the demands of the current market. It focuses on teaching the exact skills needed to find employment in the field.

The curriculum is built around hands-on Red Team drills and real-world cyber labs.

Trainer cum Mentor.

"The key factor that makes this programme different from others"

Have the opportunity to learn from the Chief Information Officer (CIO) of a global Cybersecurity Consultancy firm from Israel.

He teaches Cybersecurity at University of Miami, USA – is ex Cybersecurity Consultant to Israeli Government – holds the following certifications: CCSA, MCSE, CCNA, SCSA and ISC2 CISSP, CEH.

Cybersecurity Ethical Hacking Internship Training.

Run by global authority in the field of Cybersecurity from Israel with more than two decades of industry experience.
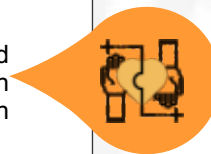
Master in-demand skills

Use one platform to issue attacks and few other platforms will be our hacking targets, we will learn how to scan a target, search for vulnerabilities, take control of a target.
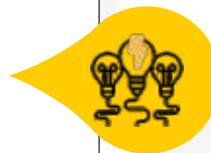
Showcase your expertise

Search for interesting data inside of our target and we will also learn how to cover our tracks and much more. Get your cyber security skills recognised with an International Virtual Internship Certificate.

Gain practical experience

Participate in projects that foster hands-on learning.

Get trained and mentored by experts

Learn from the one of the best in the field.

Compatible with the CEH

(Certified Ethical Hacker) course of EC Council (https://www.eccouncil.org)

Learning Outcomes:

Get a taste of offensive security and ethical hacking by being introduced to encryption and hands-on, real-world cyber-attack simulations. You will participate in exercises that teach you how to scan networks and implant IPS/IDS to perform and prevent brute-force attacks.

The **intensive lab environment** provides each participant an in-depth knowledge and practical experience with the **most up-to-date hacking tools and methodologies.**

Professional Networking

Sessions with top Information Security professionals:
1. Cybersecurity Leader at **E&Y**
2. Principal Security Consultant at **HP**

Career Services.

Our HR team provides students with personalized interview training and professional networking opportunities, as well as resume and LinkedIn profile building to help secure a job as an Offensive Cybersecurity professional after graduation.

Career Services are consultation-based only and do not guarantee job placement.

MENTOR

Juan Baby Fernandez CISSP MCSE CCNA CCSA SCSA is a SecurityConsultant instructor and CIO for ToBe Security, an international IT security corporation with global headquarters in Panama ,and dedicated to service companies and organizations on a world-widebasis providing them with a unique security model including:security assessments, penetration tests ,white box and black box upto the application level, integration of state of the art products,support services and security consulting in general.

Juan is a security specialist with 22 years of experience with strong hacking technique skills and methods of operation. This applied to auditing and recommending how to protect against threats as well as reduce risk of hackers from inside and outside of organizations. Prior to becoming part of Professional Services staff, Mr. Fernandez provided security consulting services to top secret Government institutions in Israel and world wide.

He teaches many cyber security courses worldwide including in the United States, Arab countries, Latin america and Europe.

Juan is well known in the underground ethical hackers community by the nickname of Undef. He is an expert in designing secure networks, covert channels and performed many penetration tests and security audits for most important companies world wide. Mr. Fernandez holds the following certifications: Check Point (CCSA), Microsoft Certified System Engineer (MCSE), Cisco CertifiedNetwork Administrator (CCNA), Sun Certified System administrator(SCSA) and ISC2 Certified Information Systems Security Professional(CISSP). Juan is well versed in many security technologies including: IDS/IPS, Buffer Overflows, Microsoft Security, Linux Security, IDS evasion Attacks, Assessment services and penetration tests.

ENTRY REQUIREMENT

People with basic knowledge of information, IT stuff members, System auditors, managers and anyone interested in computer security.

Basic knowledge of information systems and TCP/IP Protocol.

Each student is required to bring his own computer with minimum of 8 GB of Ram and 200 MB Free hard drive space.

DURATION

4 Weeks / 12 Live Hours

FEES

4 Weeks - $400/-

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Global WORK EXPERIENCE Certificate Programme.

Work in a team of 5 Participants from 5 Countries*

On 2 International Live Projects

Get 2 International Certificates

1 Project from the Developed World

1 Project from the Developing World

INTERNATIONAL TEAMS + INTERNATIONAL PROJECTS

Truly global experience and exposure that adds real value to the profile and CV.

This unique Global Work Experience Programme with live mentoring sessions is designed for those who wish to gain international exposure and network and at the same time gets hands-on work experience of working on real business problems.

Participants are given increasingly difficult, weekly tasks in the form of real business problems in the form of live projects that they solve under the able guidance of an International Mentor, while working with fellow interns from different countries.

Programme Objectives
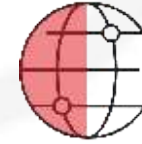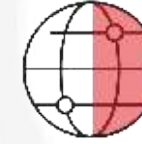Enhance employability of participants and provide them opportunities to strengthen their CV and profile.

Provide strong international exposure and experience to participants.

Two Live Projects with companies in UK, France, Austria, UAE and India

The participants work on a well structured programme that allows them to apply concepts of management in real life.

Live International Mentor Sessions every week
The key feature of this programme are the live sessions with International Mentors who come with many years of international work experience and all of them are alumni of top Institutions like London Business School, University of Oxford, INSEAD, University of London and similar.

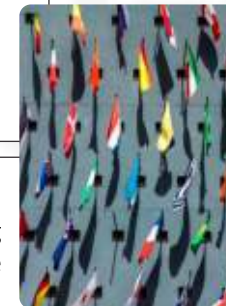### Exclusive Global Business Leader Sessions every month

Power networking sessions with a global business leaders who provide deep insights into the corporate world and career development.

Truly Global Exposure & Experience
- Work with interns from different countries
- Get Two International Work Experience Certificates from the project companies
- International Travel opportunity to the country of project post Covid-19 restrictions.

Career Guidance & Post Internship Opportunities

All participants receive personalised career guidance on building their career. Meritorious, top performing participants may be offered paid roles with Ureka UK or any of its group companies.

Learning Highlights

The students would work on projects in any one or more of the areas below during the programme. Students can work on any project irrespective of the course they are pursuing currently.

✓ **Marketing**
1. Targeted Marketing
2. Competitor Analysis
3. Branding with Live Testing
4. Marketing Mix
5. Product Launch Planning
6. Content Development

✓ **Finance**
1. Price Setting
2. Price Testing
3. Competitor Analysis
4. Profitability Analysis
5. Value Analysis
6. Financial Model

✓ **HR**
1. Campus Hiring
2. Candidate Assessment Tools
3. Campus Ambassador Program
4. Faculty Recruitment & Engagement
5. International Training Module
6. International HR Management – Cultural HR

✓ **Entrepreneurship**
1. Services Portfolio Audit
2. Ideation Exercise
3. Idea Selection & Assessment
4. Business Plan Exercise

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MENTOR

Each participant would be mentored and guided by an international mentor who would not only ensure successful completion of the internship but also provide personalised support for building a successful career. This would be achieved through a weekly online interaction with the international mentor who will guide the student on the progress of their work in terms of quality and provide real world business insight into the topic being covered. The mentors for this project are educated at the following institutions, which are one of the best in the world, with considerable global experience and industry exposure.

- London Business School
- INSEAD
- Oxford University
- University of London
- London School of Economics & Political Science

GLOBAL BUSINESS LEADERS

Power Networking online session with a global business leader who would provide deep insights into the corporate world and inputs on how to make a career during a global recession that has been brought about by COVID 19. Some of the industry stalwarts we have on panel include:

- Managing Director – Citibank
- Chief Actuarial – MetLife
- MD & Chief Executive Officer – Aditya Birla Finance
- Chief Executive Officer – NSE Academy
- Regional Business Head – Schlumberger

ENTRY REQUIREMENT

This programme is open to all undergraduate and post graduate students.

DURATION

4 Weeks - $200/-

8 Weeks - $350/-

12 Weeks - $490/-

Oxford Certified Training + Ureka UK Internship

8 week programmes in the areas of

Project Management | Strategic Planning | Strategic HRM | Strategic Pricing Marketing | Change Management | Innovation Management

Two International Certificates from:

1. Joint Certificate of Excellence from University of Oxford, Infinitum & Oxford Innovation
2. Certificate of Achievement from Ureka Education UK

Use psychometric tools, case studies, group discussions, management games and role-plays to challenge the current way of leading in the workplace.

Get trained by University of Oxford professors with Live Classes and world-class training content.

6 weeks Virtual Internship with Ureka UK.

Work on the Ureka-1-Million project with Live Mentoring from University of London and University of Oxford educated International Mentors.

Alumni of this programme, get preferential access and discounts for immersion trips to University of Oxford post pandemic.

Programme Structure

1. 2 Weeks Online Course in Project Management - Taught by world class faculty members and guest lectures by industry experts entirely online through IE's Learning Management System. All theoretical concepts will be covered in online classes with a focus on solving practical problems and case studies for enhanced learning. The course comprises of 18+ hours of learning, with 6 hours of live classes over two weeks.

2. 6 Weeks of Virtual Internship - run and certified by Ureka UK on the Ureka-1-Million project that aims to impact one million underprivileged lives through education. The internship will include weekly tasks to be accomplished under the guidance and live mentoring of our University of London and University of Oxford educated international mentors.

Eligibility : this is an open programme allowing students from diverse backgrounds to apply.

Selection: on the basis of CV and Statement of Purpose (SOP) stating in less than 300 words, why does the participant want to do this programme and how will it help them in their future endeavours.

Fee payment: The introductory price of the 8 weeks programme is $550/- per participant which can be paid in interest free instalments.

$70/- to be paid on selection, balance to be paid in 2 equal interest free instalments, before the start date.

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UNIVERSITY OF OXFORD

OXFORD UNIVERSITY INNOVATION

INFINITUM EDUCATION

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UNIVERSITY OF OXFORD

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Two International Certificates from:

1. Joint Certificate of Excellence from University of Oxford, Infinitum & Oxford Innovation

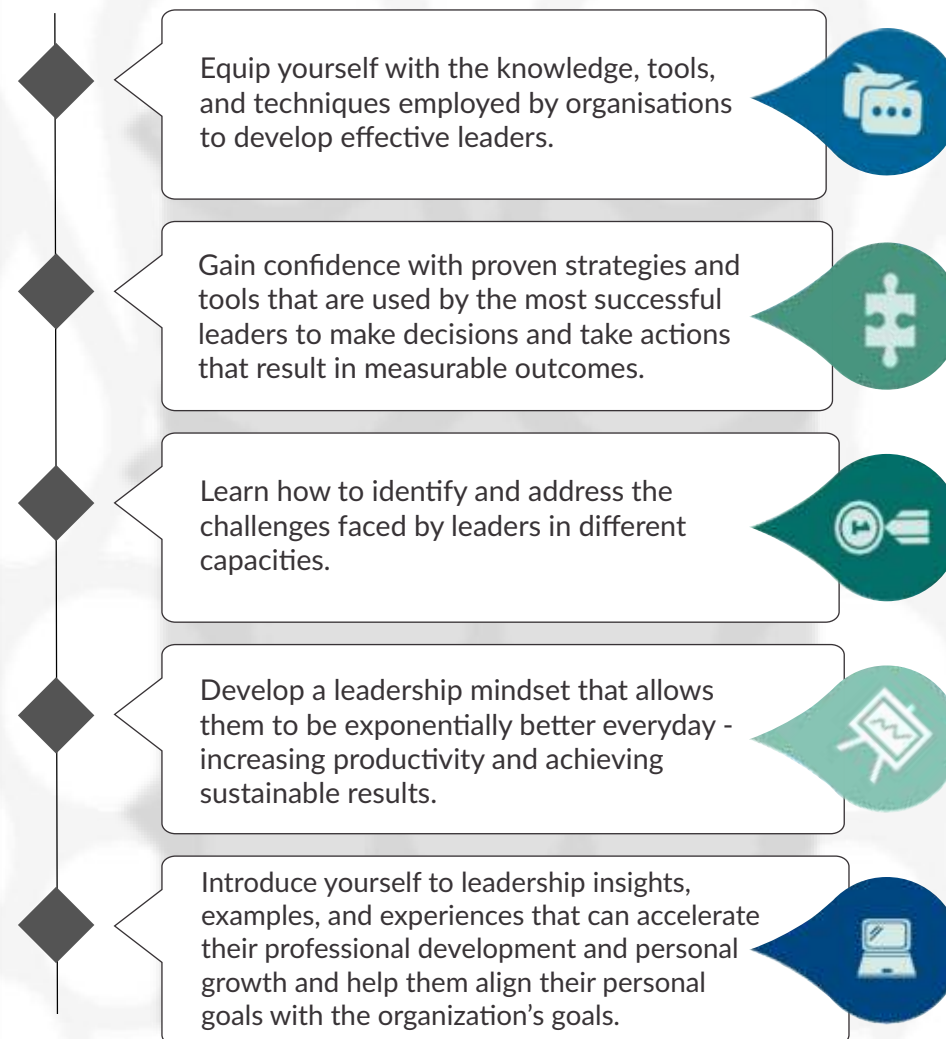2. Certificate of Achievement from Ureka Education UK

Great leadership skills are crucial to the future of individuals in any organisation. This training with the most contemporary industry curriculum is tailored especially to meet the demands of the current market. It focuses on teaching the exact skills needed to lead current organisations.

Certificate Programme in Leadership for Educators.

An elite programme for educators taught by **University of Oxford professors.**

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Equip yourself with the knowledge, tools, and techniques employed by organisations to develop effective leaders.

Gain confidence with proven strategies and tools that are used by the most successful leaders to make decisions and take actions that result in measurable outcomes.

Learn how to identify and address the challenges faced by leaders in different capacities.

Develop a leadership mindset that allows them to be exponentially better everyday - increasing productivity and achieving sustainable results.

Introduce yourself to leadership insights, examples, and experiences that can accelerate their professional development and personal growth and help them align their personal goals with the organization's goals.

Benefits of the Programme.

This programme is suitable for educators from all fields who wish to distinguish themselves by gaining **globally recognised international credentials through a prestigious certificate.** With its short and impactful format this leadership programme ties objectives to real-world scenarios, helping participants to apply their new knowledge more readily.

Pedagogy.

All our programmes use psychometric tools, case studies, group discussions, management games and role-plays to enable participants to challenge their current way of leading at their institution .

Mode of Teaching.

This programme will be taught entirely online by University of Oxford Professors and industry practitioners. All theoretical concepts will be covered in online classes with a focus on solving practical problems and case studies for enhanced learning.

Delivery Schedule.

18+ hours of learning including **6 hours of live online delivery over a period of 2 weeks.**

Fees.

Introductory Price: $ 400/-

Apply with your CV and by filling the online application.

Pay $50/- to confirm your place and balance before start of the programme.

Start date: 21 January, 2021 (Tentative)