

Advanced Certificate Programme in

DATA SCIENCE

Get the Right Picture



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About upGrad and IIITB

upGrad has delivered over 20 million hours of learning, delivering programs by collaborating with universities across the world including, Duke CE, IIIT Bangalore and Deakin Business School, among others.

Online education is a fundamental disruption that will have a far-reaching impact. **upGrad** was founded, taking this into consideration. upGrad is an online education platform to help individuals develop their professional potential in the most engaging learning environment.

Since its inception, upGrad has delivered over 20 million hours of learning, delivering programs by collaborating with universities across the world, including Duke CE, IIIT Bangalore and Deakin Business School among others.

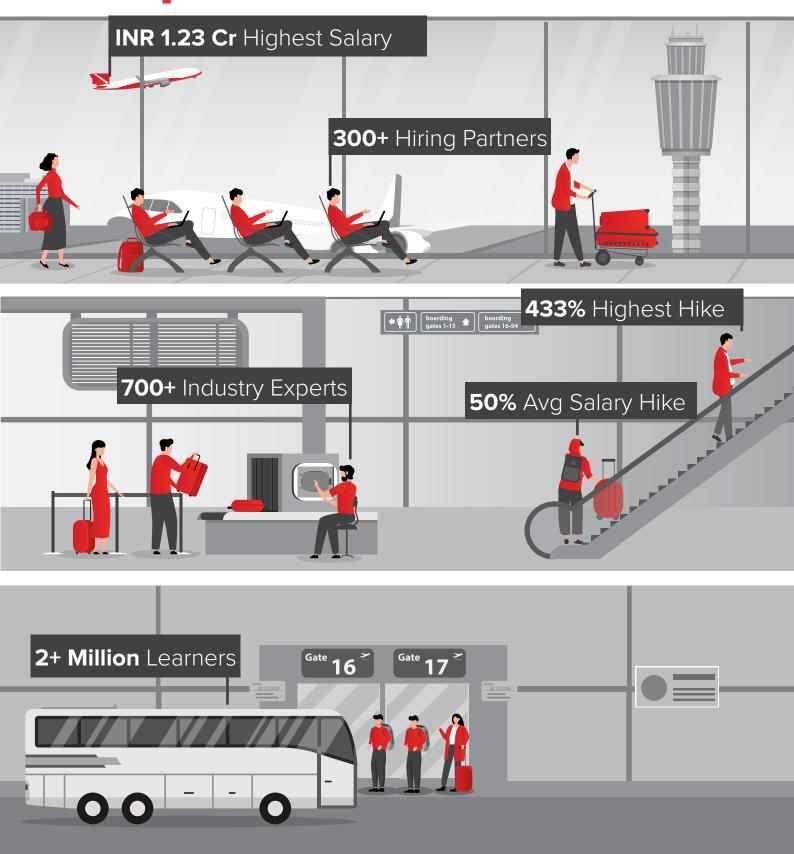
upGrad is focused on helping working professionals in their bid to learn, grow and move up in their careers through a wide range of programs designed to improve their expertise.

IIITB is a renowned university offering programs specialising in data science, machine learning and artificial intelligence. The IIITB faculty includes an average of 15+ years of experience.

The faculty covers the conceptual depths of topics such as Data Science, Machine Learning and Artificial Intelligence, and Big Data Analytics. These will be complemented by industry-relevant case studies from major industry verticals by industry leaders with 8+ years of experience from upGrad's industry network.

Furthermore, our strong placement network, industry mentorship and the credibility of an Advanced Certificate Programme will provide you with just the right push to accelerate your career in Data Science!

Why upGrad?



Program Highlights



Certification from IIITB

Get certified by IIITB on successful completion of the Advanced Certificate Programme in Data Science.



For The Industry, By The Industry

Learn from 7+ case studies and industry experts to mentor you throughout the program.



Dedicated Career Assistance

Receive 360 degree career support from mock interviews with hiring managers, resume building, career fairs, industry mentors and much more.



Personalised Mentorship

Get unparalleled personalised mentorship and doubt resolution from our panel of industry experts.



Blended Learning

Learn with the ease and flexibility of recorded sessions as well as live sessions and Personalised Industry sessions - designed to ensure a wholesome learning experience.

Articulate to a an Executive PG Programme in Data Science

Upon successful completion of the Advanced Certificate Programme in Data Science, get an opportunity to upgrade to the NASSCOM Certified Executive PG Programme in Data Science from IIIT Bangalore wherein, on completing the program, you would receive alumni status from IIIT Bangalore and get a certification from NASSCOM FutureSkills. You can choose to specialise in any of the 5 specialisations of the Executive PG Programme



Learner is required to achieve 3 out of 4 CGPA to be eligible for the articulation





New Additions

30-Hour Programming Bootcamp for Non-Tech Learners

- Non-tech background? No need to fear of Programming anymore.
- A 30-hour Python Programming bootcamp focusing on developing Basic
 + Intermediate Python Programming Concepts to assist non-tech learners.
- A blended learning experience delivered via interactive live sessions and assessments.

Career Essential Soft-skills Program

- Excel at your personal & professional life with upGrad's soft skills program.
- Study three fundamental skills Interview
 & Job Search, Corporate & Business
 Communication and Problem Solving.
- Get access to 40+ learning hours of soft skills content delivered by the best faculty & Industry experts.



Faculty and Industry Experts



Hindol Basu CEO Actify Data Labs

An alumnus of IIT and IIM with over 13 years of experience in analytics with industry leaders such as Citigroup and Tata Industries.



Tricha AnjaliEx-Associate Dean,

Prof. Anjali has a PhD from Georgia Institute of Technology as well as an integrated MTech (EE) from IIT Bombay.



Chandrashekar Ramanathan
Dean Academics,
IIITB

Prof. Chandrashekar has a PhD from Mississippi State University and experience of over 10 years in several multinational organisations.



Behzad Ahmadi Data Scientist Walmart Labs

An M. Tech graduate and PhD from Jersey Institute of Technology, Behzad possesses tremendous years of experience in Data Science and ML



S. Anand CEO Gramener

An alumnus of IIT Madras, IIM Bangalore and LBS London, Anand is among the top 10 data scientists in India with 20 years of experience.



Dr. Debabrata Das
Director,
IIITB

Dr. Debabrata Das is Director of IIITB. He has received his PhD from IIT-KGP. His main areas of research are IoT and Wireless Access Network



Prof. G. Srinivasaraghavan
Professor,
IIITB

Prof. Srinivasaraghavan has a PhD in Computer Science from IIT-K and 18 years of experience with Infosys and several other MNCs.



Rajesh SabapathySr Director, Data Science,
UHG Group

Rajesh has 10+ years of experience leading Data Science teams in various domains solving complex problems using Deep Learning & ML technique.



Mirza Rahim Baig Lead Analyst, Zalando

Advanced analytics professional with 8+ years of experience as a consultant in the e-commerce and healthcare domains.



Sajan Kedia Ex- Data Science Lead, Myntra

Sajan graduated from IIT, BHU and has tons of experience in Data Science, Big Data, Spark, Machine Learning and Natural Language Processing



upGrad Learning Experience

Job Opportunities

upGrad Opportunities

- upGrad Elevate: Virtual hiring drive giving you the opportunity to interview with upGrad's 300+ hiring partners
 - Job Opportunities Portal: Gain exclusive access to upGrad's Job Opportunities portal which has 100+ openings from upGrad's hiring partners at any given time
- Be the first to know vacancies to gain an edge in the application process
- · Connect with companies that are the best match for you

Learning Support

Industry Expert Guidance

- Interactive Live Sessions with leading industry experts covering curriculum + advanced topics
- Personalised Industry Session in small groups (of 10-12) with industry experts to augment program curriculum with customized industry based learning

Student Support

- Student Support is available 7 days a week, 24*7
- You can write to us via studentsupport@upgrad.com or for urgent queries, use the "Talk to Us" option on the Learn platform.

Practical Learning and Networking

Networking & Learning Experience

- Live Discussion forum for peer to peer doubt resolution monitored by technical experts
- Peer to peer networking opportunities with a alumni pool of 10000+
- Lab walkthroughs of industry-driven projects
- Weekly real-time doubt clearing sessions

Career Assistance

Career Mentorship Sessions (1:1)

 Get mentored by an experienced industry expert and receive personalised feedback to achieve your desired outcome

High Performance Coaching (1:1)

 Get a dedicated career coach after the program to help track your career goals, coach you on your profile, and support you during your career transition journey

Al Powered Profile Builder

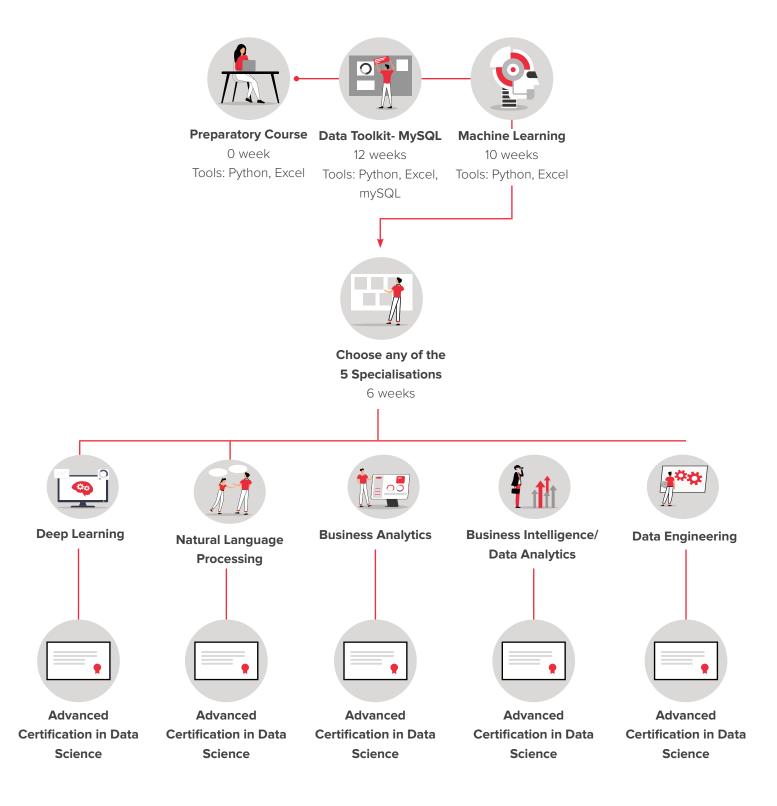
 Obtain specific, Al powered inputs on your resume and Linkedin structure along with content on real time basis

Interview Preparation

 Get access to Industry Experts and discuss any queries before your interview
 Career bootcamps to refresh your technical concepts and improve your soft skills



Learning Path



Program Curriculum

PRE-PROGRAMME PREPARATORY CONTENT

DATA ANALYSIS IN EXCEL

- 1. INTRODUCTION TO EXCEL
- 2. DATA ANALYSIS IN EXCEL I: FUNCTIONS, FORMULAE, AND CHARTS
- 3. DATA ANALYSIS IN EXCEL II: PIVOTS AND LOOKUPS

Taught by one of the most renowned data scientists in the country (S.Anand, CEO, Gramener), this module takes you from a beginner-level Excel user to an almost professional user.

ANALYTICS PROBLEM SOLVING

- 1. THE CRISP-DM FRAMEWORK
 BUSINESS AND DATA
 UNDERSTANDING
- 2. CRISP-DM FRAMEWORK- DATA PREPARATION,MODELLING, EVALUATIONAND DEPLOYMENT

This module covers concepts of the CRISP-DM framework for business problem-solving.

COURSE 1: DATA TOOLKIT

INTRODUCTION TO PYTHON

- 1. UNDERSTANDING THE UPGRAD CODING CONSOLE
- 2. BASICS OF PYTHON
- 3. DATA STRUCTURES IN PYTHON
- 4. CONTROL STRUCTURE AND FUNCTIONS IN PYTHON
- 5. OOP IN PYTHON

Build a foundation for the most in-demand programming language of the 21st century.

2 WEEKS

PROGRAMMING IN PYTHON

1. LOGIC AND SYNTAX BUILDING

Learn how to approach and solve logical problems using programming.

2 WEEKS

- 2. DATA STRUCTURES: LISTS, STRINGS, DICTIONARIES, AND STACKS
- 3. TIME COMPLEXITY
- 4. SEARCHING AND SORTING
- 5. TWO POINTERS
- 6. RECURSION

PYTHON FOR DATA SCIENCE

1. INTRODUCTION TO NUMPY

2. INTRODUCTION TO MATPLOTLIB

3. INTRODUCTION TO PANDAS

4. GETTING AND CLEANING DATA

Learn how to manipulate datasets in Python using Pandas which is the most powerful library for data preparation and analysis.

1 WEEK

DATA VISUALIZATION IN PYTHON

1. INTRODUCTION TO DATA VISUALIZATION

2. DATA VISUALISATION USING SEABORN

Humans are visual learners, and hence no task related to data is complete without visualisation. Learn to plot and interpret various graphs in Python and observe how they make data analysis and drawing insights easier.

1 WEEK

EXPLORATORY DATA ANALYSIS

1. DATA SOURCING

2. DATA CLEANING

3. UNIVARIATE ANALYSIS

4. BIVARIATE ANALYSIS AND MULTIVARIATE ANALYSIS

Learn how to find and analyse the patterns in the data to draw actionable insights.

CREDIT EDA CASE STUDY

1. PROBLEM STATEMENT

2. EVALUATION RUBRIC

3. FINAL SUBMISSION

4. SOLUTION

Solve a real industry problem through the concepts learnt in exploratory data analysis.

1 WEEK

INFERENTIAL STATISTICS

1. BASICS OF PROBABILITY

2. DISCRETE PROBABILITY DISTRIBUTIONS

3. CONTINUOUS PROBABILITY DISTRIBUTIONS

4. CENTRAL LIMIT THEOREM

Build a strong statistical foundation and learn **1 WEEK** how to 'infer' insights from a huge population using a small sample.

HYPOTHESIS TESTING

1. CONCEPTS OF HYPOTHESIS
TESTING - I: NULL AND
ALTERNATE HYPOTHESIS,
MAKING A DECISION, AND
CRITICAL VALUE METHOD

2. CONCEPTS OF HYPOTHESIS TESTING - II: P-VALUE METHOD AND TYPES OF ERRORS

3. INDUSTRY DEMONSTRATION
OF HYPOTHESIS TESTING:
TWO-SAMPLE MEAN AND
PROPORTION TEST, A/B
TESTING

Understand how to formulate and validate hypotheses for a population to solve real-life business problems.

1 WEEK

DATA ANALYSIS USING SQL

1. DATABASE DESIGN

2. DATABASE CREATION IN MYSQL WORKBENCH

3. QUERYING IN MYSQL

4. JOINS AND SET OPERATIONS

Data in companies is definitely not stored in excel sheets. Learn the fundamentals of database and extract information from RDBMS using the structured query language.

ADVANCED SQL & BEST PRACTICES

1. WINDOW FUNCTIONS

2. CASE STATEMENTS, STORED ROUTINES AND CURSORS

3. QUERY OPTIMISATION AND BEST PRACTICES

4. PROBLEM-SOLVING USING SQL

Apply advanced SQL concepts like windowing and procedures to derive insights from data and answer pertinent business questions

1 WEEK

SQL ASSIGNMENT: RSVP MOVIES

1. PROBLEM STATEMENT

2. EVALUATION RUBRIC

3. FINAL SUBMISSION

4. SOLUTION

In this assignment, you will work on a movies **1 WEEK** dataset using SQL to extract exciting insights.

COURSE 2 - MACHINE LEARNING

LINEAR REGRESSION

1. SIMPLE LINEAR REGRESSION

2. SIMPLE LINEAR REGRESSION IN PYTHON

3. MULTIPLE LINEAR REGRESSION

4. MULTIPLE LINEAR REGRESSION IN PYTHON

5. INDUSTRY RELEVANCE OF LINEAR REGRESSION

Venture into the machine learning community by learning how one variable can be predicted using several other variables through a housing dataset where you will predict the prices of houses based on various factors. 2 WEEKS

LINEAR REGRESSION ASSIGNMENT

1. PROBLEM STATEMENT

2. EVALUATION RUBRIC

3. FINAL SUBMISSION

4. SOLUTION

Build a model to understand the factors on which the demand for bike-sharing systems vary on and help a company optimise its revenue.

LOGISTIC REGRESSION

- 1. UNIVARIATE LOGISTIC REGRESSION
- 2. MULTIVARIATE LOGISTIC
 REGRESSION: MODEL
 BUILDING AND EVALUATION
- 3. LOGISTIC REGRESSION: INDUSTRY APPLICATIONS

Learn your first binary classification technique by determining which telecom operator customersr are likely to churn versus those who are not to help the business retain customers.

2 WEEKS

CLASSIFICATION USING DECISION TREES

- 1. INTRODUCTION TO DECISION TREES
- 2. ALGORITHMS FOR DECISION TREES CONSTRUCTION
- 3. HYPERPARAMETER TUNING IN DECISION TREES

Learn how the human decision-making process can be replicated using a decision tree and tune it to suit your needs.

1 WEEK

UNSUPERVISED LEARNING: CLUSTERING

- 1. INTRODUCTION TO CLUSTERING
- 2. K-MEANS CLUSTERING
- 3. HIERARCHICAL CLUSTERING
- 4. OTHER FORMS OF CLUSTERING: K-MODE, K-PROTOTYPE, DB SCAN

Learn how to group elements into different clusters when you don't have any predefined labels to segregate them through K-means clustering, hierarchical clustering, and more.

1 WEEK

BASICS OF NLP AND TEXT MINING

- 1. REGEX AND INTRODUCTION TO NLP
- 2. BASIC LEXICAL PROCESSING
- 3. ADVANCED LEXICAL PROCESSING

Do you get annoyed by the constant spam in your mailbox? Wouldn't it be nice if we had a program to check your spelling? In this module learn how to build a spell checker & spam detector using techniques like phonetic hashing, bag-of-words, TF-IDF, etc.

BUSINESS PROBLEM SOLVING

1. INTRODUCTION TO BUSINESS PROBLEM SOLVING

2. BUSINESS PROBLEM SOLVING: CASE STUDY DEMONSTRATIONS

Learn how to approach open-ended, real-world problems using data as a lever to draw actionable insights.

1 WEEK

CASE STUDY: LEAD SCORING

1. PROBLEM STATEMENT

2. EVALUATION RUBRIC

3. FINAL SUBMISSION

4. SOLUTION

Help the Sales team of your company identify which leads are worth pursuing through this classification case study.

1 WEEK

SPECIALISATION - DEEP LEARNING

COURSE 3 - MACHINE LEARNING II

BAGGING & RANDOM FOREST

1. POPULAR ENSEMBLES

2. INTRODUCTION TO RANDOM FORESTS

3. FEATURE IMPORTANCE IN RANDOM FORESTS

4. RANDOM FORESTS IN PYTHON

Learn how powerful ensemble algorithms can improve your classification models by building random forests from decision trees.

1 WEEK

BOOSTING

1. INTRODUCTION TO BOOSTING AND ADABOOST

2. GRADIENT BOOSTING

Learn about ensemble modelling through bagging and boosting, and understand how weak algorithms can be transformed into stronger ones.

MODEL SELECTION & GENERAL ML TECHNIQUES

1. PRINCIPLES OF MODEL SELECTION

2. MODEL EVALUATION

3. MODEL SELECTION: BEST PRACTICES

Learn the pros and cons of simple and complex models and the different methods for quantifying model complexity, along with general machine learning techniques like feature engineering, model evaluation, and many more.

1 WEEK

PRINCIPAL COMPONENT ANALYSIS

1. PRINCIPAL COMPONENT
ANALYSIS AND SINGULAR
VALUE DECOMPOSITION

2. PRINCIPAL COMPONENT ANALYSIS IN PYTHON

Understand important concepts related to dimensionality reduction, the basic idea and the learning algorithm of PCA, and its practical applications in supervised and unsupervised problems.

1 WEEK

ADVANCED REGRESSION

1. GENERALISED LINEAR REGRESSION

2. REGULARISED REGRESSION

In this module, take a more advanced look at regression models and learn the concepts related to regularisation. 1 WEEK

ADVANCED ML CASE STUDY

1. PROBLEM STATEMENT

2. EVALUATION RUBRIC

3. FINAL SUBMISSION

4. SOLUTION

Build a regularized regression model to understand the most important variables to predict house prices in Australia. 1 WEEK

OPTIONAL

- 1. INTRODUCTION TO NEURAL NETWORKS AND ANN
- 2. BACKPROPOGATION IN NEURAL NETWORKS
- 3. HYPERPARAMETER TUNING IN NEURAL NETWORKS

SPECIALISATION - NATURAL LANGUAGE PROCESSING

COURSE 3 - MACHINE LEARNING II

BAGGING & RANDOM FOREST

- 1. POPULAR ENSEMBLES
- 2. INTRODUCTION TO RANDOM FORESTS
- 3. FEATURE IMPORTANCE IN RANDOM FORESTS
- 4. RANDOM FORESTS IN PYTHON

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 VALUE DECOMPOSITION
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ADVANCED REGRESSION

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2. REGULARISED REGRESSION

In this module, take a more advanced look at regression models and learn the concepts related to regularisation. 1 WEEK

ADVANCED ML CASE STUDY

1. PROBLEM STATEMENT

2. EVALUATION RUBRIC

3. FINAL SUBMISSION

4. SOLUTION

Build a regularized regression model to understand the most important variables to predict house prices in Australia. 1 WEEK

OPTIONAL

- 1. SYNTACTIC PROCESSING I
- 2. SYNTACTIC PROCESSING II

SPECIALISATION - BUSINESS ANALYTICS

COURSE 3 - ADVANCED MACHINE LEARNING

BAGGING & RANDOM FOREST

1. POPULAR ENSEMBLES

2. INTRODUCTION TO RANDOM FORESTS

3. FEATURE IMPORTANCE IN RANDOM FORESTS

4. RANDOM FORESTS IN PYTHON Learn how powerful ensemble algorithms can **1 WEEK** improve your classification models by building random forests from decision trees.

MODEL SELECTION & GENERAL ML TECHNIQUES

- 1. PRINCIPLES OF MODEL SELECTION
- 2. MODEL BUILDING AND EVALUATION
- 3. FEATURE ENGINEERING
- 4. CLASS IMBALANCE

Learn the pros and cons of simple and complex models and the different methods for quantifying model complexity, along with general machine learning techniques like feature engineering, model evaluation, and many more.

2 WEEKS

TIME SERIES FORECASTING

1. INTRODUCTION TO TIME SERIES AND ITS COMPONENTS In this module, you will learn how to analyse and forecast a series that varies with time.

2 WEEKS

- 2. SMOOTHING TECHNIQUES
- 3. INTRODUCTION TO AR MODELS
- 4. **BUILDING AR MODELS**

MODEL SELCTION CASE STUDY

1. PROBLEM STATEMENT

2. EVALUATION RUBRIC

3. FINAL SUBMISSION

4. SOLUTION

Apply your business acumen to the newly learnt machine learning techniques, and select the most appropriate model for a provided business scenario.

1 WEEK

SPECIALISATION - BUSINESS INTELLIGENCE/ DATA ANALYTICS

COURSE 3: ADVANCED DBS AND BIG DATA ANALYTICS

DATA MODELLING

1. DATABASE DESIGN RECAP

2. BUILDING BLOCKS OF DATA MODELLING

3. PROBLEM SOLVING USING DATA MODELLING

4. DATA MODELLING: OPTIONAL ASSIGNMENT

In this module, you will learn and use data modelling on a dataset to solve a business problem.

ADVANCED SQL AND BEST PRACTICES

1. WINDOW FUNCTIONS

2. CASE STATEMENTS, STORED ROUTINES, AND CURSORS

3. QUERY OPTIMISATION AND BEST PRACTICES

4. PROBLEM SOLVING USING SQL

Apply advanced SQL concepts like windowing and procedures to derive insights from data and answer pertinent business questions

1 WEEK

INTRODUCTION TO BIG DATA AND CLOUD

1. BIG DATA AND CLOUD COMPUTING

2. AMAZON WEB SERVICES

3. BIG DATA STORAGE AND PROCESSING - HADOOP

4. EMR CLUSTER IN AWS

Understand the basics of big data and cloud and learn to work with an EMR cluster on a cloud-based service.

1 WEEK

ANALYTICS USING SPARK

1. EXPLORATORY DATA
ANALYSIS WITH PYSPARK

2. PREDICTIVE ANALYSIS WITH SPARK MLLIB

Use PySpark to do EDA and Predictive Analysis using Spark's ML library.

2 WEEKS

BIG DATA CASE STUDY

1. PROBLEM STATEMENT

2. EVALUATION RUBRIC

3. FINAL SUBMISSION

4. SOLUTION

Use your analytics skills to work on a large dataset in cloud to solve an industry prob-

SPECIALISATION - DATA ENGINEERING

COURSE 3 - DATA ENGINEERING - I

DATA MANAGEMENT AND RELATIONAL DATABASE MODELLING

- 1. ENTERPRISE DATA MANAGEMENT
- 2. RELATIONAL DATABASE MODELLING
- 3. NORMAL FORMS AND ER DIAGRAMS

Understand the concepts of Data Management and learn to model data from a Relational Database.

1 WEEK

INTRODUCTION TO BIG DATA (OPTIONAL)

1. 4Vs OF BIG DATA

2. BIG DATA: INDUSTRY CASE STUDIES

This module you will learn what big data is, its various characteristics, and its determining factors. You will also get an idea of the various sources of big data and the wide range of big data applications in different industries such as retail, healthcare, and

O WEEK

INTRODUCTION TO CLOUD AND AWS SETUP

1. INTRODUCTION TO CLOUD

2. AWS SETUP

Understand what is cloud and setup your AWS account which will be required during the program.

1 WEEK

INTRODUCTION TO HADOOP AND MAPREDUCE PROGRAMMING

1. CONCEPTS RETAILED TO DISTRIBUTED COMPUTING

2. HADOOP DISTRIBUTED FILE SYSTEM

3. MAPREDUCE PROGRAMMING IN PYTHON

Understand the world of distributed data processing and storage with Hadoop. Learn to write MapReduce jobs in Python.

ASSIGNMENT (OPTIONAL)

1. INTRODUCTION, PROBLEM STATEMENT AND GRADING RUBRICS

Solve an assignment to brush up on the skills **O WEEK** learnt so far.

NOSQL DATABASES AND APACHE HBASE NOSQL DATABASES AND MONGODB (OPTIONAL)

1. CONCEPTS OF NOSQL DATABASES

Learn the concepts of NoSQL databases.
Understand the working of Apache HBase.

1 WEEK

- 2. INTRODUCTION TO APACHE HBASE
- 3. HBASE PYTHON API
- 4. COMPARISON OF NOSQL DATABASES

DATA WAREHOUSING (OPTIONAL)

1. INTRODUCTION TO DATA WAREHOUSE AND DATA LAKES

Understand the intricacies behind designing a data warehouse and a data lake for use case(s).

O WEEK

- 2. DESIGNING DATA
 WAREHOUSING FOR AN ETL
 DATA PIPELINE
- 3. DESIGNING DATA LAKE FOR AN ETL DATA PIPELINE

DATA INGESTION WITH APACHE SQOOP AND APACHE FLUME

- 1. INTRODUCTION TO DATA INGESTION
- 2. STRUCTURED DATA INGESTION WITH SQOOP
- 3. UNSTRUCTURED DATA INGESTION WITH FLUME

Get familiar with the challenges involved in data ingestion. Use Sqoop and Flume to ingest structured and unstructured data into Hadoop.

MAPREDUCE PROGRAMMING ASSIGNMENT

1. PROBLEM STATEMENT AND SAMPLE DATASET

Practise MapReduce Programming on a Big Dataset.

1 WEEK

2. SOLUTION



Industry **Projects**



IMDb Movie Analysis



Uber Supply-Demand



Lead Scoring



Fraud Detection



Creditworthiness of Customers



Speech Recognition



Credit EDA Assignment



RSVP CaseStudy



Bike Sharing Assignment

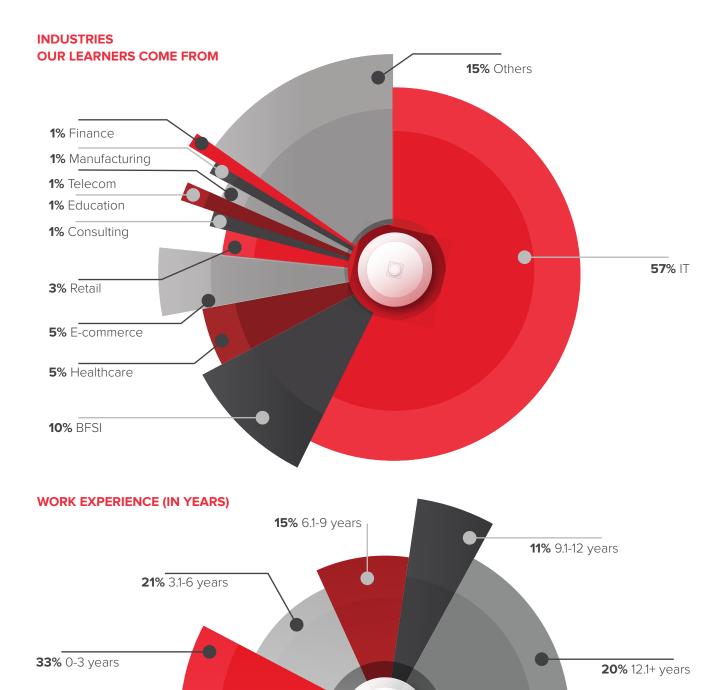


Lead Scoring Case Study



Big Data Case Study

Meet the Class



A few of the companies our students are from: Accenture, Amazon, Cognizant, Deloitte, Infosys, Microsoft, Wipro, EY, CitiBank, Cisco, Thomson Reuters

Career Support

Jobs on Career Centre

Career Centre offers upGrad jobs across experience levels and CTC ranges.

- Easy apply feature for upGrad hiring partner vacancies.
- Create a resume at profile builder with one click to apply for various jobs.

upGrad Elevate

- Recruitment Drive to connect you with the best talent admirers in the industry
- Get access to a wide range of opportunities and find the perfect job
- Apply your learnings to real industry problems

Interview Preparation

Pre-recorded content on topics such as:

- Profile building, communications etc.
- Problem-solving approach
- Approaching guesstimates
- Domain-specific interview question bank and much more

Profile Builder (Al-Powered)

An easy-to-use Resume, LinkedIn and Cover letter preparation tool.

- Resume Score: Al-Driven Resume Score
- Real-time recommendations to improve
- Match your resume to the JD and check fitment
- LinkedIn Profile Review
- Cover Letter creation

Just-In-Time Interview Prep (JIT)

For upcoming job interviews JITs are conducted within 48 hours for eligible programs.

- Tailored to the job role and target domain
- Real-time feedback and tips for improvement

High-Performance Coaching

Dedicated coaches working with you to identify best-suited career opportunities

- Help you define your value proposition
- Lay out a career path and help you adhere to your timelines and goals
- Help you with interview preparations, finding jobs in the market, salary negotiations and other preparation as required

Personalised Industry Session

90-minute sessions over the weekend by leading industry experts

- Session categories: Career, Technical and Communications
- Doubt resolution
- Develop proof of concepts and apply theoretical concepts in the real world
- Assess skill levels
- Peer Networking
- Classroom element
- Business communication sessions and much more

Career Mentorship Sessions

Get personalised career advice through 1-1 sessions with industry experts

• Goal setting for better employment results

Our Alumni Work at

PROGRAM SUMMARY

2+ Million

Enrolled Learners

INR 1.23_{cr}

Highest Salary Hike

433% Highest Salary Hike 50% Average Salary Hike

upGrad has a network of over 100 companies that look to recruit graduates from our programs. Some of these well-known companies include:

kotak Kotak Mahindia Prime	PICICI & Lombard	I D F C	Myntra	Microsoft
amazon	accenture High performance. Delivered.	RADIO MIRCHI TO KATI	HSBC	J.P.Morgan
Capgemini	∜ Quant <mark>zig</mark>	TATA TATA CONSULTANCY SERVICES	Tech Mahindra	RELIANCE MUTUAL FUND
AMERICAN EXPRESS	lenskart	SWIGGY	Infosys	Jio

Career Transitions



Abhishek Singh MIS Executive (F&B) Batch: March 2018

Senior Data Analyst, Myntra (Oct 2019)



Shadab Hussain
Data Scientist (IT)
Batch: Sept 2018

Analyst, The Math Company (July 2019)



Rohit W

Quality Assurance Tester (BFSI) Batch: Jan 2019

Python Automation Engineer, Credit Suisse (July 2019)



Ayush Modi

Associate Consultant (IT) Batch: March 2018

Marketing Analyst, Globalization Partners (July 2019)



Damodar Bandi

Global Supply Chain Analyst (Software) Batch: Dec 2018

Sr. Business Analyst, Data Semantics (Aug 2019)



Hariharan S

AVP (BFSI) Batch: March 2018

Project Manager, HSBC (Aug 2019)



Ashish Y

Asst. Manager (Manufacturing/Production) Batch: Sept 2018

Business Analyst, Arvind (Sept 2019)



Shubhadip B

Technical Project Manager (Tech Solutions) Batch: June 2018

Sr. Technical Project Manager, Aurionpro (Oct 2019)



Mohit Mamgain

Internship (IT) Batch: March 2018

Data Analyst, Shine.com (Aug 2019)



Jai Krishna

Fresher Batch: Sept 2018

Business Analyst, Quantzig (Nov 2019)



Deepshikha

Senior Associate (Tech) Batch: March 2019

Data Analyst, Amazon (Nov 2019)



Aakash Dusane

Software Engineer (Software)
Batch: Dec 2018

Data Scientist, Quantzig (Aug 2019)



Sri Harsha RaviPrincipal Data
Structure Engineer (IT)
Batch: Sept 2018

Senior Data Scientist, IHS Markit (Nov 2019)



Ganesh Varanasi Analyst (BFSI) Batch: March 2018

Data Scientist, Innominds (July 2019)



Ansuman Das Risk Analyst (IT) Batch: March 2019

Specialist Data Analyst, Novartis (Aug 2019)



Sujit Nalawade Software Engineer (IT)

Software Engineer (II Batch: Sept 2018

Data Analyst, Xoriant



Anshul Srivastava

Business Analyst (BFSI) Batch: Sept 2018

Associate Consultant, Fractal (Aug 2019)



Sudha Choudhary

Fresher Batch: June 2018

Internship - Al Engineer, Athancare (July 2019)



Anshul Kumar

Analyst (BFSI) Batch: March 2019

Data Science Intern, Merkle Sokrati (Aug 2019)



Nishant Chalasany

Project Manager (Agro) Batch: March 2019

Analytics Operations Lead, Syngenta (July 2019)



Sylvester Pinto

Senior Software Engineer (IT) Batch: Dec 2018

Data Associate, J.P. Morgan (June 2019)



Offline Meet-ups & Career Assistance



UPGRAD BASECAMPS

Held across all major cities in India, upGrad basecamps bring together learners, faculty and industry experts for a power-packed day of activities, career-building sessions and live group projects. Get to know your peers and faculty and hone your networking skills in an exciting environment.

CAREER FAIRS

Attend regular hiring drives in major cities across India, giving you the opportunity to interview with upGrad's 300+ hiring partners ensuring you get every opportunity you deserve.

HACKATHONS

Team up and put your learning to use with our offline Hackathons: designed to help you apply concepts and meet, network, and grow!



Hear from Our Learners

Kunwar Alok, Experience: 15+ Years

"You may not believe it, but I have never done coding in my life. I did it during this program and was thrilled to see the outcomes of those codes. Just the way I used to get happy after solving good (tough) math problems during my school age. Thanks to upGrad for doing a great service to people like us who at the age of 43 can dream to studing with budding talents around."





Sachin Aggarwal, Experience: 18+ Years

"Learning with IIITB and upGrad has been an experience like no other. Being an online program, you have your worries about how the program and teaching methods will be. My favourite part about the learning experience has been programming through well-designed and thoughtful content shared by IIITB professors and industry experts on upGrad platforms. Kudos to upGrad..."

Savita Upadhaya, Experience: 4 Years

"It has been an amazing journey with upGrad till now. Starting with their program material to live sessions to mentor support helps one to always be on track and progress efficiently with Data Science program. My sincere thanks to the entire team of upGrad and Profs of IIITB to show me the path and direction towards my dream to become a Data Analyst."





Sidharth Mahapatra, Experience: 3 Years

"The concepts of R programming and Machine Learning will be taught by Prof. Chandrasekhar Ramanathan and Prof. G Srinivasaraghavan respectively. Both of them have been listed in the top twenty prominent data science academicians list published by Analytics India Magazine. So you need not worry about the quality of teaching in this program."



Tuhin Pal, Experience: 5 Years

"I appreciate the platform upGrad how they have arranged the modules and the assignments are quality ones. You will relish your college days again as the exams felt like semester ones, where you can't talk to anybody. Modules are locked till you complete the previous one sso until you clear a semester, you can't move to the next one.

Harkirat Dhillon, Experience: 8 Years

"A dedicated regimen for studying the program and keep learning is the key to being successful and passing the program. This program will help build a strong foundation for a successful transition to data science. Additionally, participating in hackathons and Kaggle competitions to solve real-world problems will give you an edge and land a job if one is willing to work hard."





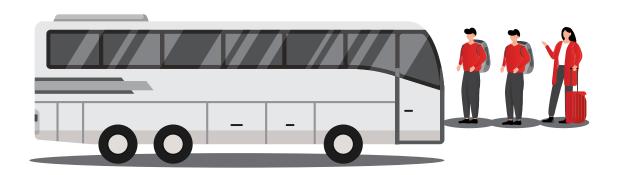
Shravani Shahapure, Experience: 16 Years

"For someone who passionately wants to pursue a career in the field of data science, it is worth to opt for the complete program by IIIT B and upGrad. Data science is an experimental science. We need to develop the right kind of thinking ability to approach problems. And to develop this ability, we need expert's direction. Knowing tools won't solve the problems always, we need to use them wisely and correctly. IIITB and upGrad's online program on data science gives this opportunity and develop students for their future as they provide the best professors, thought-provoking assignments and case studies."

Sagar Tekwani, Experience: 2 Years

"A very well-structured and well-balanced program content which you won't get in other programs/nano-degrees. Being a beginner in DS, I found the structure of the Executive PG Programme from IIITB and powered by upGrad most helpful. They even teach you most of the prerequisites with prep sessions before you even start the program. Being a working professional, it was neither too difficult nor too easy to keep up with the pace of the program."





Program Details and Admission Process

PROGRAM DURATION AND FORMAT

8-8.5 Months | Online

PROGRAM START DATES

Please refer to the website for program start dates.

PROGRAM FEE

INR 99,000 (Inclusive of taxes)

ELIGIBILITY

Bachelor's Degree with a minimum 50% or equivalent passing marks.

SELECTION PROCESS



Step: 1

Fill the Application form

Fill out an application giving your basic profile details

Step: 2

Shortlisting & Block
Payment to reserve seat

University will shortlist basis profile. Receive offer letter and proceed with block amount INR 15,000/-

Step: 3

Payment

Balance to be closed within 7 days or batch start date whichever is sooner

FOR FURTHER INFORMATION, CONTACT

□ admissions@upgrad.com

(3) 1800 210 2020

We are available 24*7

Disclaimer: Program fee and payment options are subject to change. Please refer to the website for updated details or speak to our admission counsellor.

