

Certificate in Data Science Foundation

3 Months | Online Instructor Led

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OUR VISION

“

To make **world class education** accessible for professionals.

22 Lakhs

Median Salary - Data Scientist



- **Manvender Singh (Manav),**

Founder & CEO, Accredian
MBA - Indian School of Business

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credentials that matter

 **ISB**

Top 3

trending careers in 2022
(#3 Data Science)



1.3 Million

Job Opportunities in India



Message from Program Director

Dear prospective learner,

I am honored to address you as the Program Director of our Data Science and AI programs which have a legacy of 60 successful batches. At Accredian, we are committed to shaping the future of technology and empowering our students with cutting-edge knowledge and skills.

As we embark on this academic journey together, I am confident that our dedicated faculty, state-of-the-art resources, and industry-relevant curriculum will provide you with a transformative learning experience.

Let's embrace the challenges of the digital era, push the boundaries of what is possible, and contribute to the advancements in Data Science and AI. I am excited to witness your growth and success throughout the program.

Best regards,

sm

Suchit Majumdar

Program Director, Data Science & AI

“

This program is uniquely designed to arm you with the mindset, skillset & tools you'll require to succeed in Data Science.

”



Why Data Science & AI?

“

30%

Businesses increasingly prefer **Data-Driven** decision-making. Data Analytics market is growing at CAGR of 30%

Forbes

“

79%

79% of financial institutions believe that Data Science is essential for gaining a **competitive edge**.

Deloitte.

“

60%

60% of companies reported positive **ROI** from Data Science initiatives within first year of implementation.



“

\$900B

Worldwide **AI Market** will grow by a CAGR of 18.9% to reach \$900B mark by 2026



Trending Data Science & AI Roles in 2023

Chief Data Officer

Director of Data Science

Lead Data Scientist

AI Engineer

AI Consultant

Computer Vision Specialist

Senior Data Scientist

Data Scientist

Machine Learning Engineer

Data Engineer

Data Science Consultant

Data Analyst

**It's once in lifetime
experience to under-
go this program. It'll
change you forever.**



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Program Highlights



Unmatched Curriculum

Unmatched Curriculum designed to help you master end - to - end Data Science topics



Unrivaled Faculty

Learn from top Data Scientist from the industry working on real world Data Science projects.



Unmatched Live Cohorts

With 2 classes every week, get 50% more learning hours than other programmes to learn Data Science.



Practical Hands-On

Learn Data Science through practical hands-on learning and get prepared for Data Science roles in the industry.



Career Coach

Get Data Science career-coach who will personally help you transition to your dream Data Science role.



Designed for Non-Coders

Start step-by-step into Analytics and Data Science even you are from a non programming platform.



Industry Integrated

Attend guest lectures from top Data Scientists from companies like Microsoft, Meta, Google, Jio & Walmart



Premium Career Assistance

Get Premium Career Assistance, like resume building sessions, github profile session to supercharge your career.



Learn Top Data Science Tools



“

I'm thankful for getting such wonderful platform and mentors who helped me in upskilling in Data Science, Machine Learning & AI.

”

-Rahul Adwani

Assistant Vice President, Yes Bank



Up Next >>

TRANSFORM YOUR CAREER **PROGRAM SYLLABUS**



Program Syllabus

Term 1: Data Analysis with Python

Module 1 - Data Science Fundamentals

- Thought Experiment: Data Science from a layman's perspective
- Brief intro to Data Science
- How companies use Data Science
- Overview of Data Science project lifecycle
- Walkthrough of data types and data challenges

Module 3 - Recap: Statistics for Data Science

- In-class quiz for Descriptive Statistics
- Common charts used
- In-class quiz for Inferential Statistics
- Probability, Central Limit Theorem, Normal Distribution & Hypothesis testing

Module 5 - Data Manipulation with Pandas

- Types of Data Structures in Pandas
- Clean data using Pandas
- Manipulating data in Pandas
- How to deal with missing values
- Hands-on: Implement Numpy arrays and Pandas Dataframes

Module 2 - Recap: Python for Data Science

- In-class quiz for Python Basics
- Common Python concepts and sample questions
- Variable, Inbuilt datatypes, functions, modules and Packages
- File operations and error handling

Module 4 - Data Operations with Numpy

- Introduction to Numpy Arrays
- How to apply mathematical operations in Numpy
- Array manipulation using Numpy
- Broadcast values across Arrays using Numpy



Program Syllabus Cont.

Term 2: Data Visualization Techniques

Module 6 - Introduction to Data Visualization

- Brief introduction to Data Visualization
- Advantages and Applications of Data Visualization.
- Univariate statistical charts
- Bivariate statistical charts
- Multivariate statistical charts

Module 7 - Data Visualization using Matplotlib

- Introduction to Python's Data Visualization library - Matplotlib
- Basic usage of Matplotlib
- Using matplotlib to plot statistical charts
- Labelling the plots using matplotlib

Module 8 - Hands-on Pandas for Rapid Visualization

- Understanding role of product management
- Defining product vision & strategy
- Identifying key stakeholders & managing expectations

Module 9 - Seaborn for Data Visualization

- Seaborn Data Visualization library - Introduction
- Importing and setting up seaborn
- Using seaborn to plot different statistical charts
- Adding details to seaborn charts using matplotlib

Term 3: EDA & Data Storytelling

Module 10 - Introduction to Exploratory Data Analysis

- Introduction to Exploratory Data Analysis (EDA) steps
- Purpose of EDA
- Advantages of EDA
- Applications of EDA

Module 11 - EDA Framework Deep Dive

- Framework for Scientific Exploration
- Case study: Perform EDA to explore survival using the Titanic dataset
- Apply the EDA framework on a real-world dataset.
- Generate insights and create a story around them.

Program Syllabus Cont.

Module 12 -Scientific Exploration of Industry Data - I & II

- **Case study:** Perform EDA to explore Online Retail dataset
- Implement EDA steps and framework in retail domain.
- **Case study:** Analyze mental health of IT professionals
- Implement EDA steps and framework in healthcare industry.



Project 1: Unmasking the Network
Exploratory Data Analysis on Facebook Data

Module 13 - Student Presentations & Insight Delivery

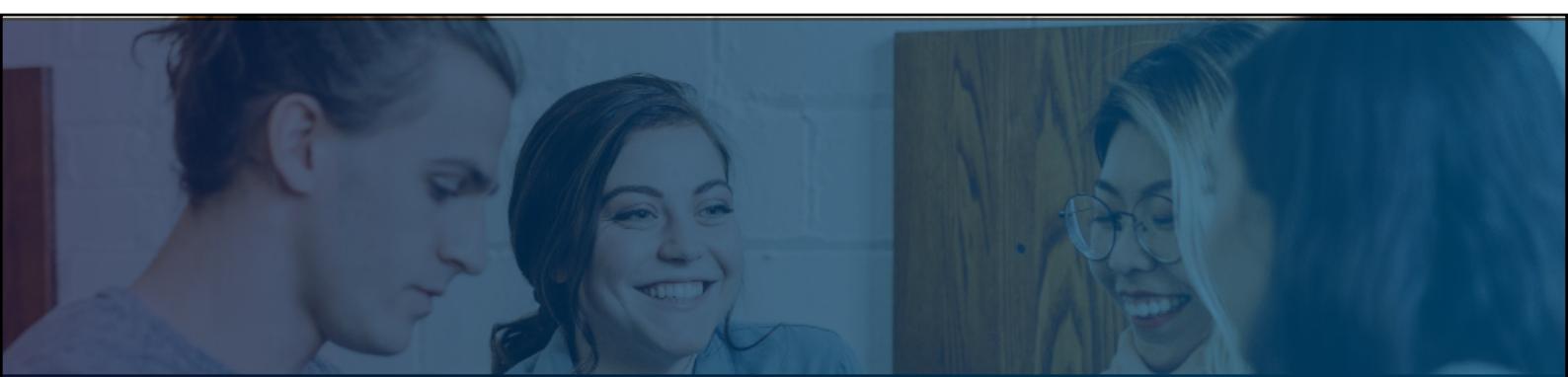
- Student hosted project delivery sessions.
- Sessions coordinated by the instructor.
- Storytelling using generated insights.
- Best-practices for Data Visualization and Insight Delivery.



Project 2: Drive-Thru to Data
Exploratory Data Analysis on a fast food joint Data

Minor Capstone Project

In a simulated environment, you get to work **with a major Telecom company** that seeks help from your team of Data Scientists to resolve a major marketing hurdle. Get a near **real world exposure** of working on industry problems within data science teams.



**Our Programs are
designed to give you
edge in Data Science
& AI industry.**



Learn from India's Best Data Scientists



Sr. Faculty
acredian



Sr. Faculty
acredian



Sr. Faculty
acredian



**Team Lead, Data
Analytics**
paytm



Lead Data Scientist



**Associate Director
Data Science & AI**
AstraZeneca



**Associate Director
Data Science**
NOVARTIS



**Director
Data Science**
**AMERICAN
EXPRESS**



**Associate Manager
Data Science**
**DECISION TREE
ANALYTICS & SERVICES**

Accredian Advantage

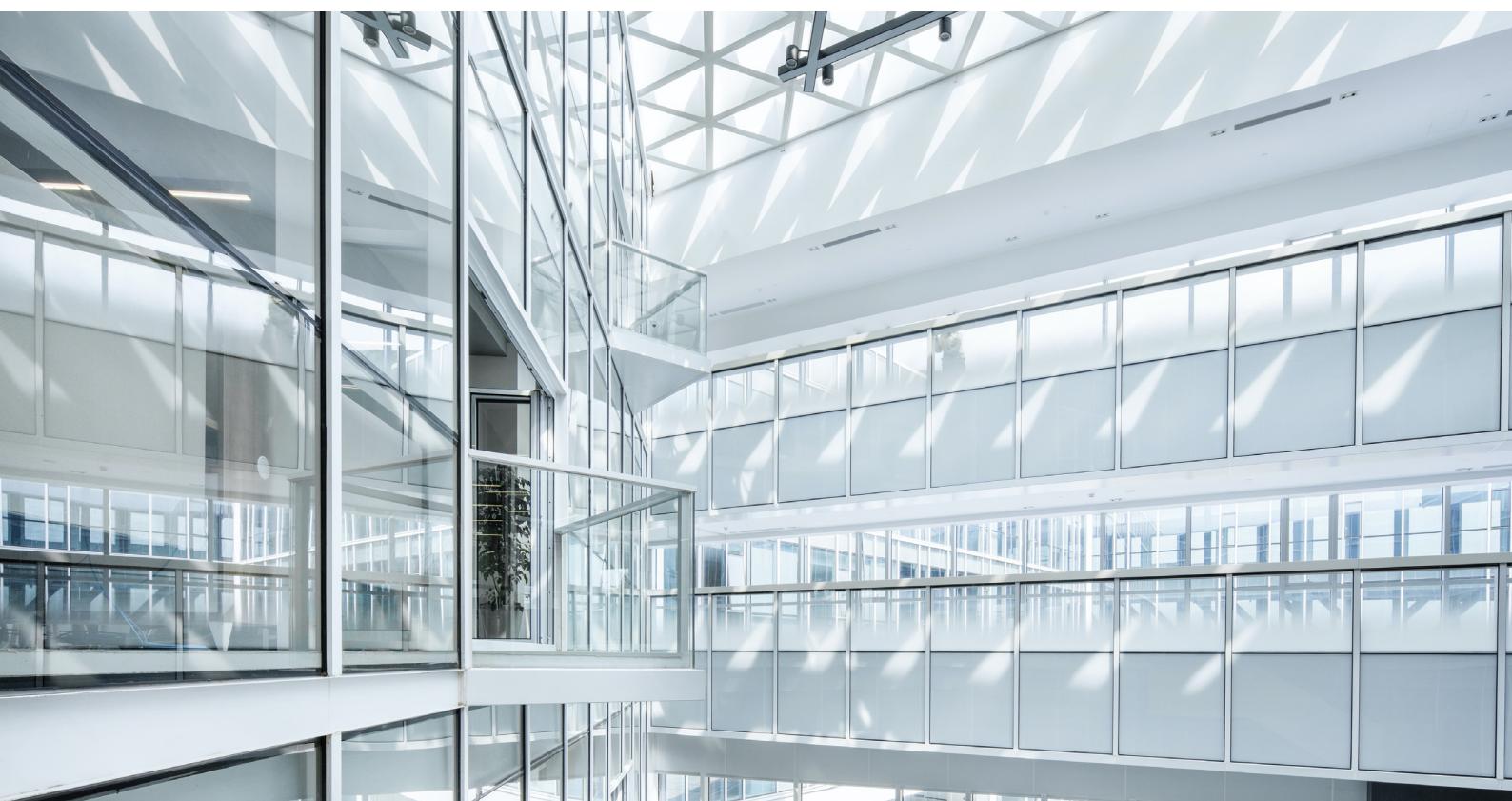
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In this Program, you will have the opportunity to choose industry electives from four areas of specialization. These elective courses are crafted to complement the core learning experience, enrich your skill sets in a domain. All of these are recorded courses which gives you the flexibility to do them as per your schedule.

1. **Finance Analytics Course**
2. **Healthcare Analytics Course**
3. **Telecom Analytics Course**
4. **Retail Analytics Course**

Get Access to 2 more courses complimentary

1. **PowerBI**
2. **SQL**



Top Data Science Speakers

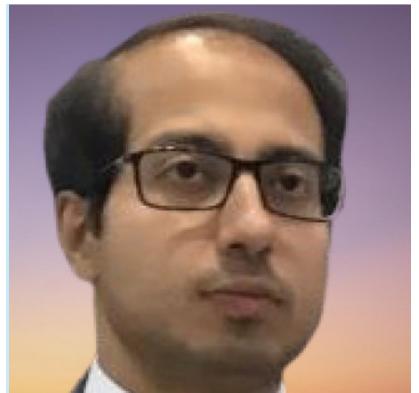
We regularly invite Top Data Scientists from industry to share their expertise, insights and learnings in Data Science and AI. Our past speakers include experts like the ones below.



Bhairav Mehta
Data Science
Amazon



Anshuman Kumar
Data Scientist
Deloitte



Sutirtha Chakraborty
Data Science
Walmart



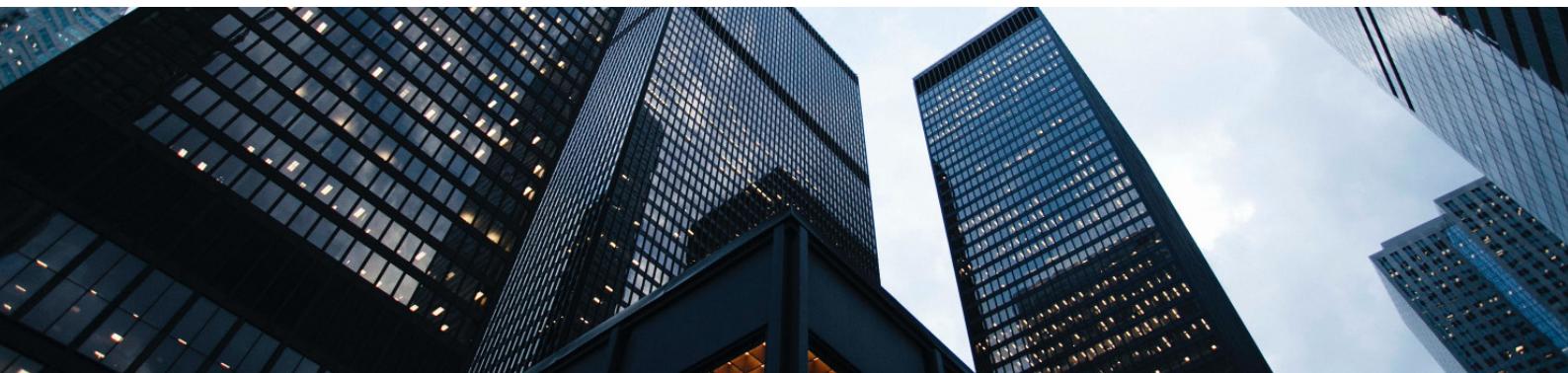
Sourav Ghosh
Data Scientist
Boeing



Shailesh Kumar
Chief Data Scientist
Jio



Ankush Khandelwal
Head of Analytics
Grab



International Data Science Speakers

We host Top International Data Scientists to deliver industry talks. Understand Global best practices, key trends across Industries and Geographies. Below are some speakers who have given talk at Accredian.



Marijn Markus
Data Science
Capgemini



Filipa Castro
Data Science
Continental



Alexey Grigorev
Data Science
OLX Group



Chris Orwa
Head of Data
Senty Ltd



Dr. Kirk Borne
Data Science
Booz Allen Hamilton



Juan Kanggrawan
Analytics
Jakarta Smart City



Key Statistics

3 months

Comprehensive Learning

50+

Hours of Live Classes

3

Terms

5+

Tools & Frameworks

4

Career Assistance Sessions

Get Certified from India's Premier Institution

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CERTIFICATE OF COMPLETION

is proudly presented to

Hemanka Sarmah

For successfully completing **Certificate in Data Science Foundation**
program held between _____ to _____

Manvender Singh
CEO, Accredian



Suchit Majumdar
Chief Data Science Mentor, Accredian

Certification ID:
01010-ABC



Transition into Data Science with Intensive Career Support



DATA SCIENCE CAREER LAUNCHPAD

1 month exclusive program for working professionals.



RESUME WORKSHOP

We'll help you build a sharp Data Science Resume.



INDUSTRY EXPERT SESSIONS

Get access to monthly industry expert sessions.



LIVE JOB ANALYSIS

Apply to the right companies based on your profile.



INTERVIEW GUIDES

Download Data Science, ML & AI interview question bank.



MOCK INTERVIEWS

Participate in 1-on-1 mock interviews and be more prepared.



HIRING PARTNERS

Get better opportunities by applying to the right companies.

Learner Success Stories



“I would like to thank Accredian team for helping me develop discipline needed to become a Data Scientist.”

Anirudha Subramanya Acharya
Associate Data Science Manager, Soroco



“I would like to thank Accredian for wonderful support and beautiful journey. Learnt a lot and intend to use the same in my work.”

Sohamjeet Ganguly
Data Scientist, TCS



“Accredian helps you through real-world applications of Data Science in your actual business or work.”

Foram Salva
Data Scientist, MYGLAMM

“ I came from non-coding background & transitioned successfully into Data Science. Thank you Accredian ”

Program Snapshot

START DATE	Check website for latest batch start dates
DURATION	3 Months
PROGRAM TERMS	3 Terms
WEEKLY SCHEDULE	Online classes on weekends Self practice/assignments on weekdays
PROGRAM FEE	INR 60,000 + GST Limited 50% Scholarship for Upcoming Batch

Talk to your Learning Advisor



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