

# TAKE THE LEAP WITH SCALER DATA SCIENCE

An Industry-focussed  
program that features  
Business Case Studies  
& Datasets from  
Real Companies



**SCALER** 

Upskilling to  
**#CreateImpact**





# About Scaler

Scaler, powered by InterviewBit, is an outcome-focussed leading ed-tech platform for tech professionals. Our industry-vetted approach towards teaching and training young minds helps them upskill and bag the career of their dreams. We are a transformative learning platform devoted towards creating a growth ecosystem to assist professionals in unlocking their talent and seizing opportunities at every stage of their careers. Learners enrolled with us are taught, guided, and mentored by top professionals and experts working at leading organizations including Google, Facebook, Intuit, Microsoft, Amazon, Hotstar, etc. Our learners have witnessed a 5x RoI (Return on Investment) from our program. Our offerings include - Scaler Academy and Scaler Data Science.

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## Industry Insights

About

95%

of professionals wish to understand business problems better

80%

stumbled as they began working with real-world datasets

The large percentage indicates a clear gap between classroom teachings and industry applications. Enter Scaler.

**Scaler Data Science** is a program curated to help you kick-start your career in Data Science & Machine Learning. We'll make you industry-ready through a rigorous curriculum taught by industry veterans who'll mentor you as you headway towards growth. With our support, you can #CreateImpact in your career and the Data Science world.

Scaler Data Science is designed after procuring industry insights from 100 Data Science & Machine Learning Engineers who come from top 50 tech companies and startups. You'll gain the needed exposure as you work on 80+ Business Case Studies built in partnership with the top companies. Your skills clubbed with our industry expertise will take your Upskilling game to the next level.

## Scaler Program Highlights

Here's what you can expect as you go about upskilling your career with Scaler

**Attend a Free Class**



**Structured,  
Industry-vetted Curriculum**



**Live Classes with  
Industry Veterans**



**Hyper-Personalised  
Experience**



**Regular 1:1 Mentorship**



**80+ Business Case Studies  
with Real-world Datasets**



**20K+ Scaler Learners &  
Alumni Network**



**A Dedicated Team  
of Recruiters**



**600+ Partner Employers &  
Placement Assistance**

## WHERE WILL YOU **FIT IN** **SCALER DATA SCIENCE?**

Our program ensures that you get to grips with the knowledge and confidence to overcome the most formidable challenges a Data Analyst/ Data Scientist/ Machine Learning Engineer may encounter in their journey from day one.

**Entry Points based on your performance in our Entrance Test:**



### **Start from Beginner Level**

A 15-18 Months  
long track

Recommended for  
Non-Coders



### **Start from Intermediate Level**

A 11-16 Months  
long track

Recommended for 0-2 yrs  
of Coding Experience



### **Start from Advanced Level**

A 07-10 Months  
long track

Recommended for 2+ yrs  
of Coding Experience

Know what it's like to upskill with Scaler

**Attend a Free Class**

# ADDING SCALER SPICE TO DATA SCIENCE

As a Data Scientist, you'll be using data to solve real-life business problems. Scaler will build your skill to understand business and industry.

- ✓ Assess your conceptual understanding as you work on **80+ Business Case Studies** with datasets from real companies
- ✓ Discuss problems in **Live Case Study Discussion** sessions weekly with a Data Scientist
- ✓ Gain a fresh perspective from the submission of your peers on a private **Discussion Forum** and understand a different problem-solving approach
- ✓ Stay updated about grades, attendance, streak through the **Live Progress Report Card** on your Dashboard
- ✓ Stay on the track with **clear deadlines** - failing which will incur a penalty
- ✓ Immediate **evaluation** of your assignments to help assess your progress amongst your peers
- ✓ Earn **extra credit** for your dedication & effort to cover up for the unanticipated gaps in your performance
- ✓ Learn at your pace with the **flexibility** to pause your course anytime you want

# CURRICULUM OUTLINE

	TOPIC	LECTURES	TOTAL DURATION
BEGINNER	<b>Beginner Modules</b>	48	16 Weeks
	▸ Tableau + Excel	12	4 Weeks
	▸ SQL	12	4 Weeks
	▸ Beginner Python	24	8 Weeks
INTERMEDIATE*	<b>Data Analysis and Visualization<sup>1</sup></b>	48	16 Weeks
	▸ Python libraries	12	4 Weeks
	▸ Probability and Applied Statistics	24	8 Weeks
	▸ Product Analytics	12	4 Weeks
ADVANCED	<b>SPECIAL ELECTIVE</b>		
	<b>Domain Analytics<sup>2</sup></b>	8	8 Weeks
	▸ Complete Domain Immersion	2	2 weeks
	▸ Domain-specific use case 1	2	2 weeks
	▸ Domain-specific use case 2	2	2 weeks
	▸ Domain-specific use case 3 & Final Project	2	2 weeks
	<b>Foundations of Machine Learning and Deep Learning</b>	36	12 Weeks
	▸ Advanced Python	12	4 Weeks
	▸ Math for Machine Learning	12	4 Weeks
	▸ Introduction to Neural Networks and Machine Learning	12	4 Weeks

1. Placement assistance for Data Analyst/Product Analyst roles via mastery-based evaluation starts after completion of this module.

2. Pick one case study across industries like E-commerce, Healthcare, Social Media Marketing and FinTech.

\*Not an entry point for intermediate learners. An intermediate learner can choose/skip any of the above topics.



SPECIALISATION	<b>Machine Learning</b> <ul style="list-style-type: none"> <li>Machine Learning 1: Supervised</li> <li>Machine Learning 2: Unsupervised and Recommender systems</li> </ul>	24 12	8 Weeks 4 Weeks
	<b>OR/ AND<sup>3</sup></b>		
	<b>Deep Learning</b> <ul style="list-style-type: none"> <li>Neural Networks</li> <li>Computer vision</li> <li>Natural Language Processing</li> </ul>	12 12 12	4 Weeks 4 Weeks 4 Weeks
	<b>SPECIAL ELECTIVE<sup>4</sup></b>		
	<b>Portfolio Project</b>	4	4 Weeks
	<b>ADDITIONAL MODULES</b>		
	Machine Learning Ops <sup>5</sup> Advanced Data Structures and Algorithms <sup>6</sup>	12 48	4 Weeks 16 Weeks
	<b>GENERATIVE AI<sup>7</sup></b>		Pre-Recorded + Community sessions

3. You can pursue the Deep Learning specialisation after completing the Machine Learning specialisation or vice versa.

4. Must have Data Science certification (cleared till MLOps module) and enrolled in the Data Learning track. Must meet attendance and PSP requirements in past modules.

5. After completion of this module, placement assistance for Data Scientist (ML/DS) roles via mastery-based evaluation will start.

6. These are recorded lectures.

7. These are recorded lectures.

**Want to take  
a deeper-dive  
into the  
curriculum?**

**Click Here**

## LEARN FROM EXPERTS WHO'VE BEEN THERE, DONE THAT!

Wear your learner's hat as our Industry Experts walk you through every concept with a fresh perspective. Have a look at our teaching army who'll impart industry wisdom so that you gain real-world exposure.



### Manish Pansari

Ex -  **Myntra** KEARNEY

After completing his MBA from IIM-Bengaluru, he began his career at Kearney, advising global consumer clients on growth and transformation. At Myntra, as part of the leadership team, he scaled the business tenfold. He also established a global digital ecosystem for blue-collared workers at Betterplace. Currently, at Scaler, he leads online business programs.



### Avijit Roy


Ex -  **Microsoft**

After completing his M.Sc in Computer Science from IIT Kanpur, Avijit began his career at TCS as an Assistant System Engineer. At Microsoft, he designed and developed an innovative Natural Language Processing (NLP) solution for their suite of intelligent solutions. He also created a text-to-SQL query system for the health and sales sectors during his tenure at Akaike as a Data Scientist.

# MEET YOUR INSTRUCTORS



## Srikanth Varma

Ex - Lead Machine Learning Scientist,  **amazon**

Srikanth enjoys teaching and loves solving problems that matter, by building products and services from the ground up. He is a lifelong learner, tinkerer and a team builder, who has worked with Amazon, Yahoo, and co-founded Applied Roots.





## Mohit Uniyal

Co-founder, , Mentor -  **Google Code-in**

Mohit is the co-founder of 2 ed-tech startups dedicated to competitive coding preparation. He began his mentoring journey as a Mentor@TensorFlow at Google Code-in. An ex-instructor and Product Engineer at Coding Blocks, he has extensive teaching experience. Currently, he is a Data Scientist at Coding Minutes.



## Harshit Tyagi

Ex- , Instructor -  **Learning**


Harshit is a Lead Instructor (Data Science & Machine Learning) at Scaler Data Science. He is the creator of bestselling Data Science & Engineering courses at LinkedIn Learning, OpenClassrooms, Manning, and O'Reilly Media. An ex-Data Engineer at Elucidata, he created biomedical apps for Research Scientists at Yale, UCLA, and MIT.



# MEET YOUR INSTRUCTORS



## Suraaj Hasija

Ex Sr. Data Scientist ,  **mastercard**

He leads Data Science Business Cases at Scaler Data Science. Working as a Data Scientist 2 at MasterCard, he has transformed industry insights into actionable success for the business. Responsible for building International Market Pricing Strategy, he leads some of the exemplary large-scale Data Science projects within MasterCard.



## Prateek Narang

Ex-Software Engineer, 

An ex-Gogler, Prateek is the co-founder of 2 ed-tech startups dedicated to competitive coding preparation. He has completed his MS in Machine Learning from IIT Delhi. Also, he is a popular Udemy Instructor, teaching coding to 75K+ students. Currently, Prateek is an Instructor and the Engineering Lead at Scaler.



## Anshuman Singh

Co-Founder, **SCALER**  Ex -  **Facebook Messenger**

He is the co-founder of Scaler Academy and a two-time ACM ICPC world finalist. He was one of the founding team members of Facebook Messenger and worked directly with Mark Zuckerberg on product development.

## PERSONALISE YOUR EXPERIENCE WITH 1:1 MENTORSHIP

Get clarity on your career path and tackle every stage of your Upskilling journey with regular 1:1 mentorship. Our mentors will help you with your queries, give interview insights, provide placement assistance and make sure you're on the right track.



**Sahil Chelaramani**

Data Scientist,  
 Microsoft

He has worked on Bing Search and Azure Global Development teams. He has experience in building large Deep Learning projects and robust Data Science systems.



**Girijesh Prasad**

Senior Manager, Data Science, Morgan Stanley

He has extensive experience in delivering end-to-end Data Science solutions - from infrastructure to models. He can also share his experience about management and business.



**Rajeev Baditha**

Data Scientist,  
 Walmart

He has theoretical as well as hands-on knowledge of Data Science, and has worked at Walmart and Fractal Analytics. He has a Master's degree from Indian Statistical Institute.



**Hitesh Hinduja**

Senior Manager, Artificial Intelligence,  ELECTRIC

He is passionate about cutting-edge research. He also leads a team of 20 to deliver the best electric vehicles, while leveraging end-to-end Machine Learning pipelines.

## ADVISORY BOARD: CORNERSTONE OF SCALER DATA SCIENCE

How exciting it'd be for you to work on business problems that come directly from your dream companies? It'll give you a good analysis of the (Data Science) pitch before you go about hitting a home run in your career.

Our Advisory Committee consists of Data Science professionals who give us a good peek into the industry insights to help us craft about 80 business case studies. Take a look at our industry advisors who help us (and you!) to be better than before.



**Pawan Kumar**  
Head of Data Science, Uber  
Ex - **LinkedIn**

Pawan is an experienced Data Scientist with a strong product sense and an innate ability to communicate complex insights clearly. He has been leading and spearheading the Data Science divisions at Uber and LinkedIn.

He has been empanelled as an advisor for the Scaler Data Science Program.



**Ramit Sawhney**  
**Georgia Tech**   **TOWER**  
RESEARCH CAPITAL

A seasoned software engineer, Ramit is a globally published and recognised researcher at IIIT-Delhi, Georgia Institute of Technology, the AI Institute at University of Southern Carolina, and Open Source Maintainer at AnitaB.org

He has been empanelled as the research advisor for the Scaler Data Science Program.

## AMP UP YOUR CAREER

With the right support & career guidance, your Skills can have a real-world impact. We'll push your limits & prepare you to be the player of your (Career) Innings.



Access job opportunities from **600+ Partner Employers**



Optimise your resume, LinkedIn Profile & get the needed **Placement assistance**



Practice mock **interviews** with Industry Ninjas



Connect & collaborate with **20K+ Scaler** learners and alumni

## Our Alumni are at reputed Tech Companies & promising Startups

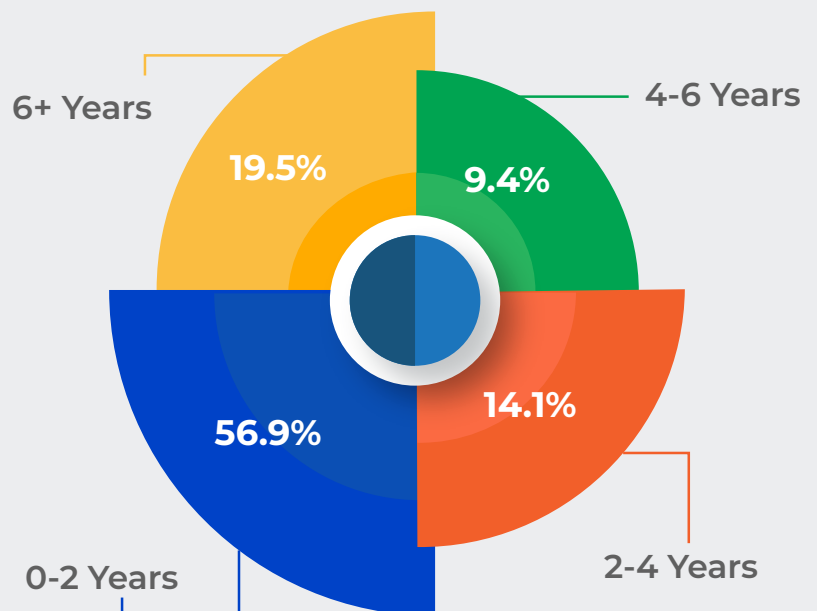




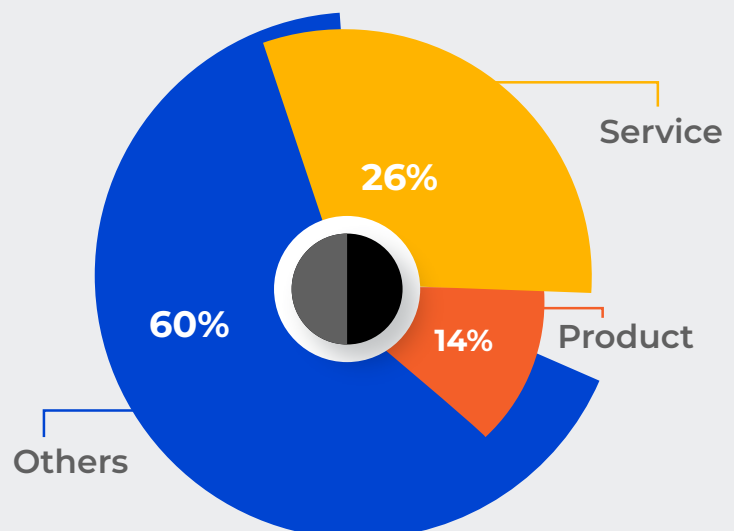
## THE ANALYSIS OF OUR BATCH IS OUTSTANDING!

Upskilling with experts is all well & good, but having a stellar batch makes your upskilling journey 10x more challenging & exciting. Meet your potential batchmates & brace yourself for a brighter data-driven career.

### Learners' Work Experience



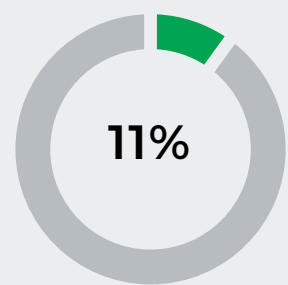
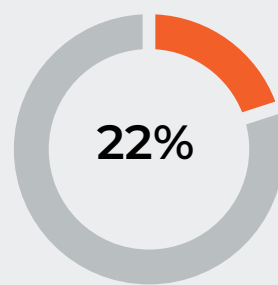
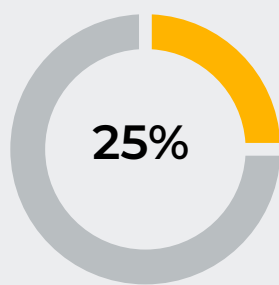
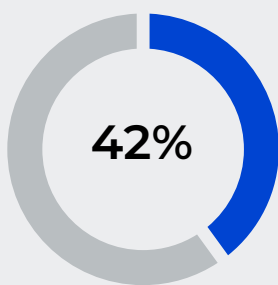
### Learners' Industry Background



# SCALER BATCH PROFILE

## Learners' Roles & Expertise

- Non-IT and Others
- Data Science
- Tech
- Business Professionals



## Eminent Companies & Startups

paytm

Adobe

ORACLE

Uber

AMERICAN  
EXPRESS

amazon

FedEx

SWIGGY

PHILIPS

Join the versatile community of aspirational working professionals who are all set to **#CreateImpact** in the real world.

[Request a Callback](#)

## **Need more insights?**

Speak with our Career Counsellor  
for a detailed overview of  
Scaler Data Science.

[Schedule A Call](#)