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-focused 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 software 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, Scaler Data Science, Scaler Edge & Scaler Forever.
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 DSML world.

Scaler DSML 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 70+ 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.
Here's what you can expect as you go about upskilling your career with Scaler

**Scaler Program Highlights**

- Structured, Industry-vetted Curriculum
- Live Classes with product industry veterans
- Hyper-personalised Experience
- Regular 1:1 Mentorship
- Business Case Studies with Real-world Datasets
- Strong & supportive Alumni Network
- A dedicated team of Recruiters
- Placement Assistance
WHERE WILL YOU FIT IN SCALER DSML?

Our Data Science Program ensures that you get to grips with the knowledge and confidence to overcome the most formidable challenges a DS or ML engineer can encounter in their journey from day one.

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

**Start from Beginner Module**
1 month module for those with minimal coding experience to make them fit for Intermediate Batch

**Start from Intermediate Module**
1 month module for those familiar with our Beginner Module but with minimal exposure to DSA

**Start from Core Module**
3.5 months module for those familiar with Intermediate Module that’ll prepare them for specialisation cohort

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Data Science is the nucleus of business, and we spare no effort to put you at the center of it.
ADDING SCALER SPICE TO DSML

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 against 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 THAT COMPLEMENTS YOUR CAREER

<table>
<thead>
<tr>
<th>TOPIC</th>
<th>TOTAL LECTURES</th>
<th>TOTAL DURATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beginner Programming</td>
<td>12</td>
<td>4 Weeks (1 Month)</td>
</tr>
<tr>
<td>Intermediate Programming</td>
<td>12</td>
<td>4 Weeks (1 Month)</td>
</tr>
<tr>
<td>Common Core for DSML</td>
<td>42</td>
<td>14 Weeks (3.5 Months)</td>
</tr>
</tbody>
</table>

### SPECIALISATION

<table>
<thead>
<tr>
<th>TOPIC</th>
<th>TOTAL LECTURES</th>
<th>TOTAL DURATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data Science &amp; Analytics (or)</td>
<td>43</td>
<td>14 Weeks (3.6 Months)</td>
</tr>
<tr>
<td>Data Science &amp; Machine Learning</td>
<td>62</td>
<td>20.7 Weeks (5.2 Months)</td>
</tr>
<tr>
<td>Advanced Programming</td>
<td>35</td>
<td>11.7 Weeks (2.9 Months)</td>
</tr>
</tbody>
</table>

Placement Assistance module begins a month prior to the previous module.

The highlight of Scaler DSML is the placement assistance by our Careers Team. We’ll help you with job opportunities & you can grasp the know-how of DSA Advanced alongside.

### DSA PROGRAMMING

How do you think great engineers are 100x more efficient than mediocre ones? No, they don’t solve faster but solve problems in the simplest way. Being well-versed with DSA amps up your problem-solving skill, which is essential to ace interviews - for both Data Science & Machine Learning roles.

Want to take a deeper dive into our curriculum?

**Check out the appendix at the end for a deep dive into the curriculum.**
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.

Mudit Goel
Ex - LinkedIn, Intuit

At LinkedIn and Intuit, Mudit was granted patents by the US Government. He led the Data Science team at D2L (ranked among most innovative companies in Data Science). Mudit founded Coding Elements, which was selected by the Govt. of India to teach coding to 2 Million students. He currently leads the Data Science and ML program at Scaler.

Anant Mittal

As a researcher at the University of Maryland, he worked on cutting-edge systems to find biomarkers of task activities in the brain. He designed and developed COVID-19 & hygiene-related analytics solutions such as temperature screening and violations related to preventive measures.
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 life long learner, tinkerer and a team builder, who has worked with Amazon, Yahoo, and co-founded Applied Roots.

Mohit Uniyal
Co-founder, Coding Minutes. Mentor - Google Code-in, TensorFlow

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
Data Engineer, Elucidata. Instructor - LinkedIn 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.
**Prateek Narang**  
Software Engineer, *Google*  

An ex-Googler, 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.

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**Anshuman Singh**  
Co-Founder, *Scaler Academy*, Ex - *Facebook*  

He is the co-founder of Scaler Academy and 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 1:1 guidance twice a month. 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, OLA 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.
THE ADVISORY COMMITTEE

ADVISORY BOARD: CORNERSTONE OF SCALER DSML

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 DS 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
- Practice mock interviews with Industry Ninjas
- Optimise your resume, LinkedIn Profile & get the needed Placement assistance
- Connect & collaborate with 20K+ Scaler learners and alumni

Our Alumni are at reputed Tech Companies & promising Startups

![Company Logos]
Total Tuition Fee
(Inclusive of GST)
INR 2.99L

Our payment plans include multiple easy financing options that make Scaler accessible to everyone. With our affordable solutions, your investment can be as low as INR 9,811 per month - it looks like your monthly grocery bill, doesn’t it?

We also offer a 2 weeks trial period and a money-back guarantee if you choose to drop out of the course.

3 Easy Steps to Enrol

**Easy Registration**
Make a new account on www.scaler.com or login using social media / InterviewBit account

**Quick Evaluation**
Take a simple 30 min MCQ test focused on aptitude and basic coding to find the right course for you

**Start Upskilling**
Start your learning journey and get set to scale greater professional heights in the Data Science arena
CURRICULUM THAT COMPLEMENTS YOUR CAREER

The Curriculum is crafted to make you a dynamic Data Scientist. We want to prepare you to tackle the toughest challenges a Data Scientist or ML Engineer can face in their journey. It’s time you cover-drive the ball (your skills) that it hits the boundary of your dream career!

Note: Listed below is the Advanced section i.e. the Common Core for Data Science & ML with

01 Python for Data Science & ML

TOPICS COVERED
Numpy, Pandas, Data Visualisation using Matplotlib & Seaborn, Regular Expression/ Pattern Matching

SCALER ADVANTAGE
Prior know-how of Python is not a mandate. You’ll cover essential tools like Git. Solve complex business problems using Numpy & Pandas.
02 Probability & Statistics

TOPICS COVERED
Probability Theory & Descriptive Statistics, Probability Distributions, Inferential Statistics

SCALER ADVANTAGE
From Emergency Call Centre to Casino of Las Vegas - Experience Probability & Statistics with a fresh perspective.

03 Maths Refresher for DSML

TOPICS COVERED
Coordinate Geometry, Linear Algebra, LP Optimisation basics, Estimation problems

SCALER ADVANTAGE
Solidify your fundamentals & fall in love with Mathematics as you solve engaging problems - from Drone Delivery to Soccer Matches
04 Data Acquisition & Unstructured Data

TOPICS COVERED
Databases & SQL, Web API, Scraping, Data Cleaning, Unstructured Data

Scaler Advantage
Learn how to extract data from various sources (cloud or local) & work with data in different formats (Tables, Files, Images, Audio, Video, Text)
Build a crawler to scrape websites & deploy web apps

05 Applied Data Science

TOPICS COVERED
Hypothesis Testing, Z & Chi-Square Test, Skewness, Kurtosis, Normality Test, Experiment Design, ANOVA, Simulations, Power of Test, A/B Testing, Diff n Diff, Multi-arm Bandits, EDA, Covariance, Correlation, Pearson, Spearman Rank, Multi-dimensional, Feature Engineering, Column Normalisation, Standardisation, Covariance Matrix, Missing Values, Outlier Treatment

Scaler Advantage
Say Hello to the latest & advanced techniques used by unicorns to conduct experiments & analysis of results.
**06 Data Visualisation with Tableau**

**TOPICS COVERED**
Managing Data Sources & Visualisations, Analysing Data using Statistical Tools, Creating Basic Charts, Dashboards, & Action

**SCALER ADVANTAGE**
Get the hang of the predominant industry tool - Tableau - for visualising, dashboarding & reporting to ace your role as a Data Analyst, Data Scientist or ML Engineer.

**07 Product, Strategy, Business**

**TOPICS COVERED**

**SCALER ADVANTAGE**
Outshine your Problem-Solving as you learn to break down business situations, design correct metrics & deal with uncertainty.
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Get the hang of the predominant industry tool - Tableau - for visualising, dashboarding & reporting to ace your role as a Data Analyst, Data Scientist or ML Engineer.

07 Product, Strategy, Business

TOPICS COVERED

ADVANTAGE
Outshine your Problem-Solving as you learn to break down business situations, design correct metrics & deal with uncertainty.
**Specialisation 1**
Data Science & Analytics

**TOPICS COVERED**
Advanced SQL, Advanced Tableau, R-Programming, ML Concepts, NLP basics, Business Case Studies, etc.

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**SCALER ADVANTAGE**
From python & R to Tableau & Power BI - you’ll get to grips with everything that is industry-relevant.
Become a power-user of tools like MS Excel & master advanced SQL.
Dive deeper into complex business cases & gain insights into domain-specific techniques.

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**Specialisation 2**
Data Science & Machine Learning Ops

**TOPICS COVERED**
Numpy, Pandas, Probability, Statistics, NLP, Deep learning, Machine Learning, ML Ops and Data Engineering, Business Case Studies, etc.

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**SCALER ADVANTAGE**
Get hands-on with real-world’s unclean data as you work on projects built in partnerships with top companies.

► Want to take a deeper dive into our curriculum? Check out the appendix at the end for more clarity.
Thank You