

SCALER  DSML

BUILD CAPABILITIES

Get One Step Closer To Your Goal



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Course Summary

Program at a Glance



Program Name

Scaler Data Science
and Machine Learning



Certifications

NSDC Certified



Mode of Learning

100% Live Learning



Eligibility

Freshers, tech and
non-tech professionals



Instructors

Experts from
top companies



Program Duration

7-18 months



Common Outcomes

Data Analyst, Data
Scientist & Machine
Learning Engineer

The Learning Experience



1:1 Industry
mentorship



Practical
application-based
learning



On-demand
Teaching Assistants



Placement
assistance



Network of
20k+ learners



Learn Through Experiences

- Curriculum Outline
- Evolve With the Industry
- Apply Your Skills to Business Problems
- Training You to Reach the Top
- Curriculum Advisors





Curriculum Outline

● Basics (60 lectures | 20 weeks)

SQL

Tableau &
Excel

Python

● Intermediate - Data Analysis and Visualisation

(48 lectures | 16 weeks)

Python
Libraries

Probability &
Statistics

Basics of
Data Analysis

Product
Analytics

● Advanced - Machine Learning (72 lectures | 24 weeks)

Maths of ML

Introduction to
ML and NN

ML Supervised
Algorithms

ML Advanced
Supervised Algo

ML Unsupervised
Algorithm

MLOps

● Optional (36 lectures | 12 weeks)

Neural
Networks

Natural Level
Processing

Computer
Vision

● Special Elective (84 lectures | 28 weeks)

Generative AI

Portfolio
Project

Domain
Analytics

ML System
Design

Deep dive into our curriculum

[Know more](#)



Evolve With the Industry

To make sure you stay ahead of the curve, our curriculum is constantly changing with the industry and includes technology that's transforming the Data Science landscape.

Generative AI

Duration: 24 lectures, 8 weeks

Objective:

To adapt Gen AI to various business contexts

Projects:

- Build a Duolingo-like language teacher
- Create a chatbot using RAG
- Develop innovations using LLMs

ML System Design

Duration: 24 lectures, 8 weeks

Objective:

Apply system design principles to real-world ML problems

Topics covered:

- System Design Principles
- Machine Learning Pipelines
- Distributed Training
- Model Serving & Inference
- High Availability & Fault Tolerance
- Security & Privacy
- Productionization



Apply Skills to Business Problems

● Domain Analytics

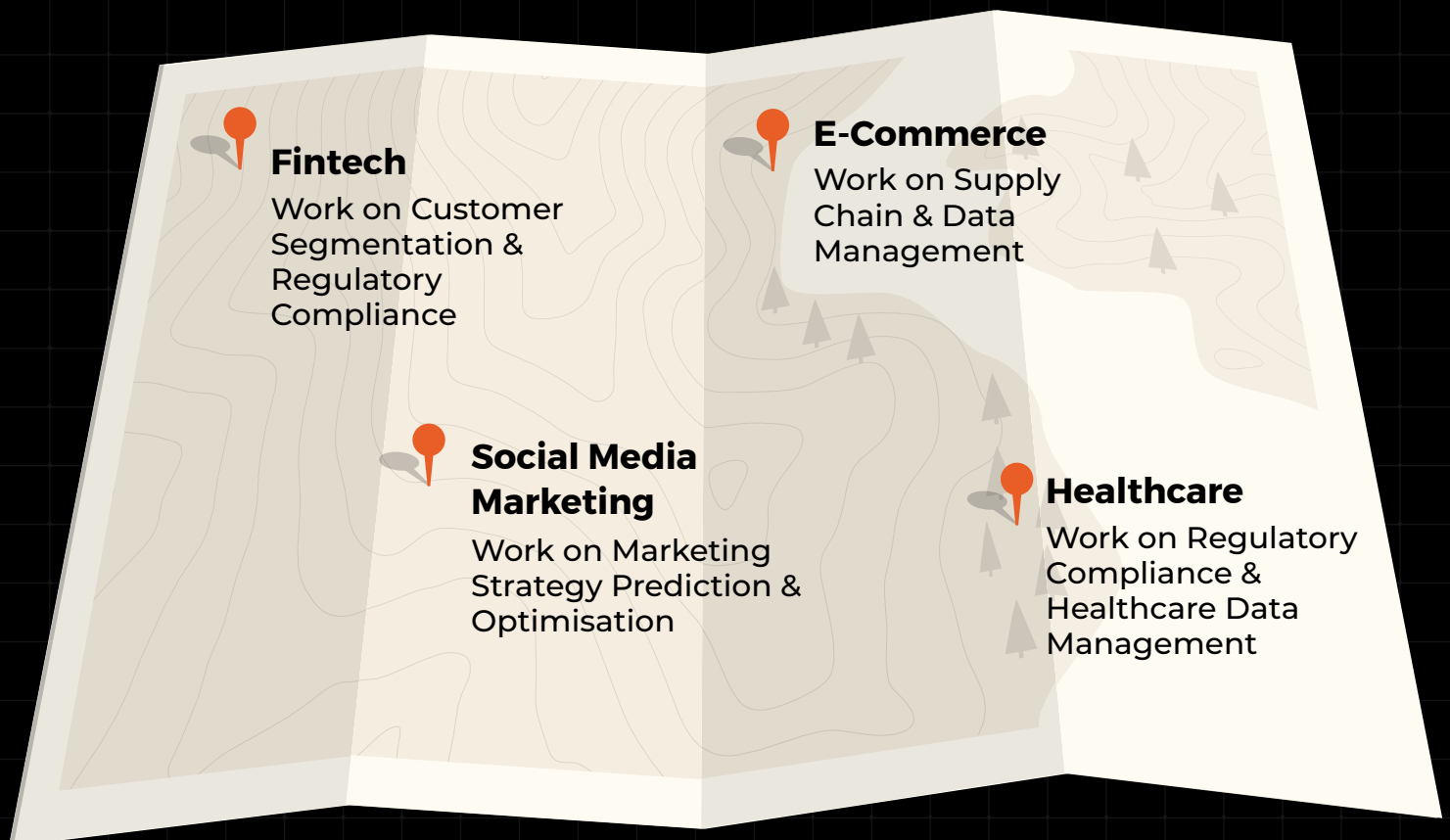
You can get an immersive experience of working in Data Analytics by delving into real-world projects.

🕒 **Duration:**
8 weeks

✅ **Eligibility:**
High Performance

📄 **Certification:**
Domain-Specific

📌 **Our domain options constantly change basis the industry.***
Here are some of our current trending options:



*The domain options available may change during the duration of the course based on industry trends.



● Portfolio Projects

These are some of the options for your portfolio project topic:

Option 1: **Finance**

Use ML techniques to predict insurance premiums for individuals.

Skills: EDA, Hypothesis Testing, Tableau, Linear Regression, Decision Trees, Random Forest, Flask API/Streamlit

Option 2: **Cybersecurity**

Overcome the challenge of detecting evolving threats efficiently.

Skills: EDA, Hypothesis Testing, ML, Tableau, Flask API/Streamlit

Option 3: **Sales**

Develop a predictive model that uses historical data to forecast sales.

Skills: EDA, Time Series Analysis, Forecasting, Tableau, Flask API/ Streamlit

Option 4: **Non-profit**

Determine the possibility of project approval out of 500,000 proposals.

Skills: EDA, Hypothesis Testing, Logistic Regression, Random Forests, LightGBM, XGBoost, Tableau, Flask API/Streamlit

Option 5: **Non-profit**

Effectively allocate \$10 million to fight poverty in various countries.

Skills: EDA, Hypothesis Testing, Kmeans Clustering, Tableau, Flask API/Streamlit



● Business Case Studies

Business Case Studies will be part of major modules in the program

Module: **SQL**



Analyse a dataset comprising 100,000 orders

Skills: Data importing, merging, EDA, time series analysis & complex querying

Module: **Data Analysis & Visualisation**



Analyse customer purchase behaviour and patterns

Skills: CLT and bootstrapping

Module: **Data Analysis & Visualisation - Python Libraries**



Gain insights into the factors that influence viewers' preferences

Skills: Data exploration, preprocessing, and visualisation

Module: **Machine Learning**



Gain insights into the factors that influence viewers' preferences

Skills: Data exploration, preprocessing, and visualisation

Module: **Neural Networks**



Make accurate delivery time estimates

Skills: Data exploration, preprocessing & visualisation

Module: **Natural Language Processing**



Analyse tweets for a better understanding of trends & topics

Skills: Named Entity Recognition

Training You to Reach the Top



Suraaj Hasija

Ex-  MasterCard

Senior Manager, Data Science at Scaler

Ex-Data Scientist II at Mastercard

Guest Speaker at IIM Lucknow & Amritsar, Delhi University, VIT etc



4.6 star review rating



6800+ learners taught



8+ years of experience



Shivank Agarwal

EX-  Microsoft

Senior V.P., Data Science at Scaler

Ex-Senior Software Development Manager, Microsoft

Ex-Engineering Manager, Inmobi

Ex-Software Development Manager, Oracle



4.8 star review rating



7000+ learners taught



14+ years of experience



Manish Pansari

EX-  Myntra

Business Leader at Scaler

Generated revenue of \$400M+ as the CXO of Myntra

Principal at A.T. Kearney



4.7 star review rating



2600+ learners taught



20+ years of experience



Avijit Roy

EX-  Microsoft

Created a text-to-SQL query system at Akaike
Applied Scientist at Microsoft
System Assistant Engineer at TCS
Masters from IIT Kanpur



4.6 star review
rating



8600+ learners
taught



6+ years
of experience



Nikhil Sanghi

Ex-  Stonkr

Lead Instructor for DSML, Scaler
Co-founder, Stonkr
Co-founder, Tablechair
Bachelors & Masters from BITS Pilani



4.7 star review
rating



6500+ learners
taught



6+ years
of experience



Mohit Uniyal

EX-  CODING
MINUTES

Lead Data Scientist and Instructor at Scaler
Data Scientist & Co-Creator at Coding Minutes
Mentor at TensorFlow and Google Code-in
Ex-Instructor and Product Engineer at Coding Block



4.7 star review
rating



6800+ learners
taught



5+ years
of experience

Curriculum Advisors




Srikanth Varma
Ex- 

- Senior ML Scientist, Amazon & Palo Alto
- Research Engineer, Yahoo! Labs
- Masters from IISc Bangalore, Gate 2007 (AIR 2)
- 13+ years of experience in AI and Machine Learning

Anshuman Singh
Co-founder, **SCALER** 

- Worked with Mark Zuckerberg and led the team that built FB Messenger
- Was responsible for setting up Facebook's office outside the US
- Represented India in the ICPC world finals twice



Abhimanyu Saxena
Co-founder, **SCALER** 

- Co-founder, InterviewBit
- Programmer, Progress Software
- Software Architect at one of the fastest-growing unicorns, Fab.com



Shape Your Own Journey

- Find Your Starting Point
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- Choose How High You'll Go
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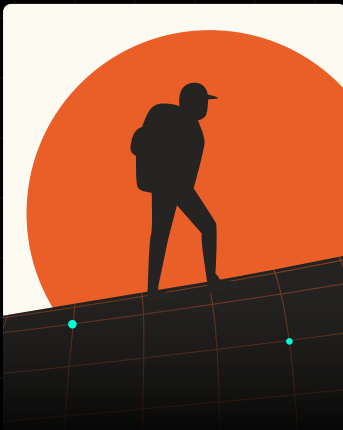


Find Your Starting Point

You can start the program at various stages based on your skills and also stop at the level that is right for you.

Your starting point based on your performance in the Batch Allocation Test

(Scaler Assessment Test)



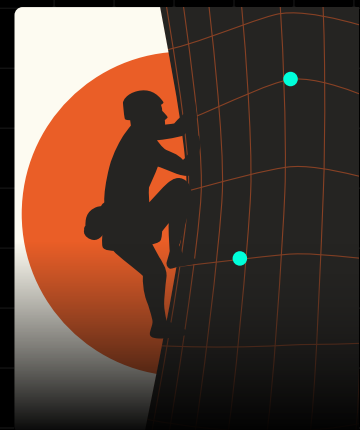
Beginner

- i Non-coders
- L 15-18 month journey



Intermediate

- i 0-2 yrs of coding experience
- L 11-16 month journey



Advanced

- i 2+ yrs of coding experience
- L 7-10 month journey





Mentors to Guide You



Kunal Rathod
Data Scientist



With a career rooted in Data Science, he has worked in companies in domains like enterprise products, media, aviation, healthcare and consulting.



Sumedh Chandaluri
Sr. ML Engineer



He has over 5 years of experience in Data Science, Data Analytics, AI/ML, Statistics, Deployment and mentoring.



Abhishek Kumar
Sr. Manager
Data Science



He has over 6 years of experience developing models using Machine Learning/AI to achieve business outcomes.



Sajjad Manal
Applied Scientist



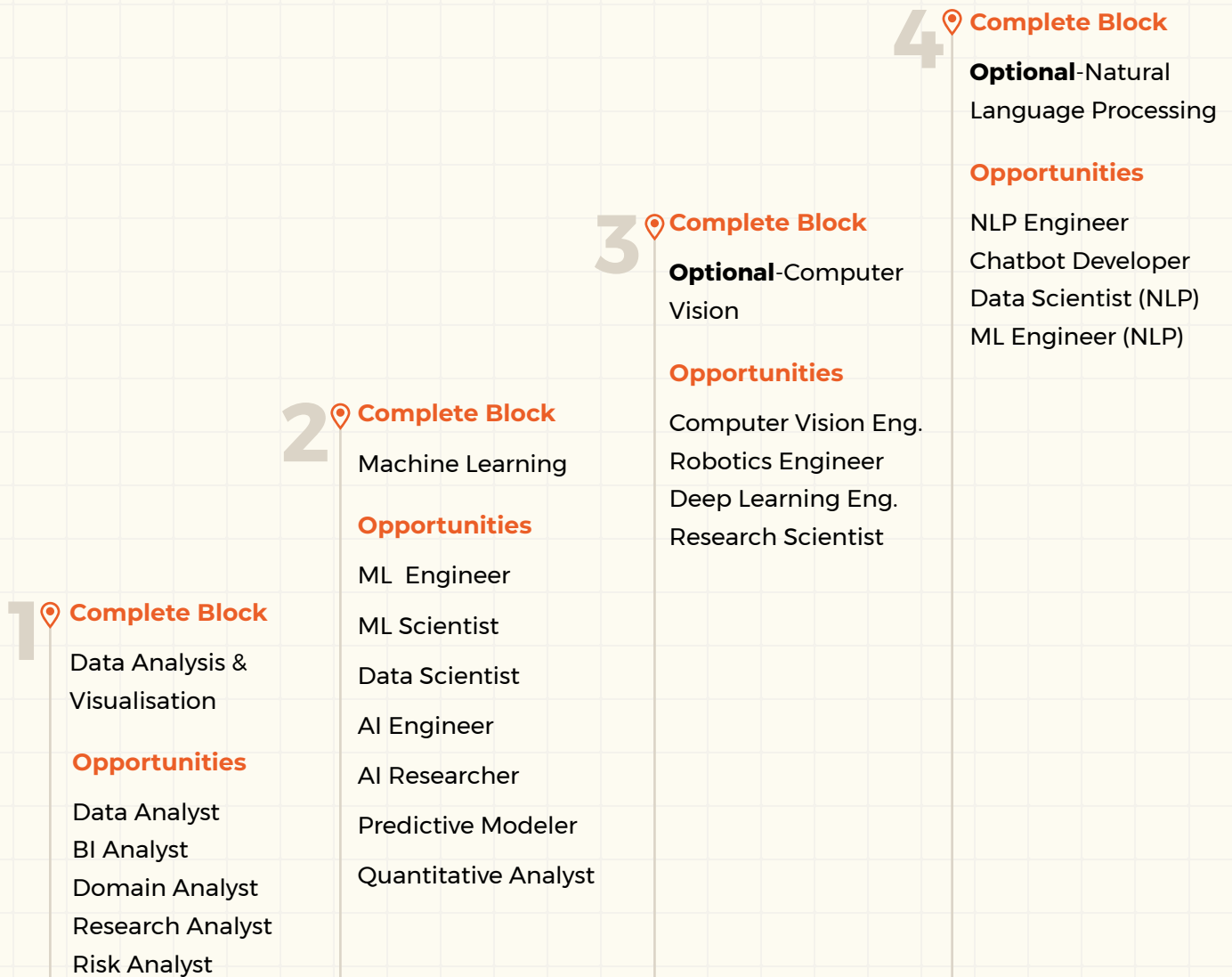
He uses his knowledge of Machine Learning to solve business problems at Microsoft and actively works on independent projects as well.





Choose How High You'll Go

At various points in the program, you'll be eligible to apply for roles depending on the curriculum blocks you complete.



Please note that completing a block includes clearing the required evaluation for each module.



Be Part of Our Community

The best part of any learning ecosystem is your peer group and alumni, who can provide insights, guidance and advice even after you graduate from Scaler.



Be part of a network of 20k+ learners and alumni



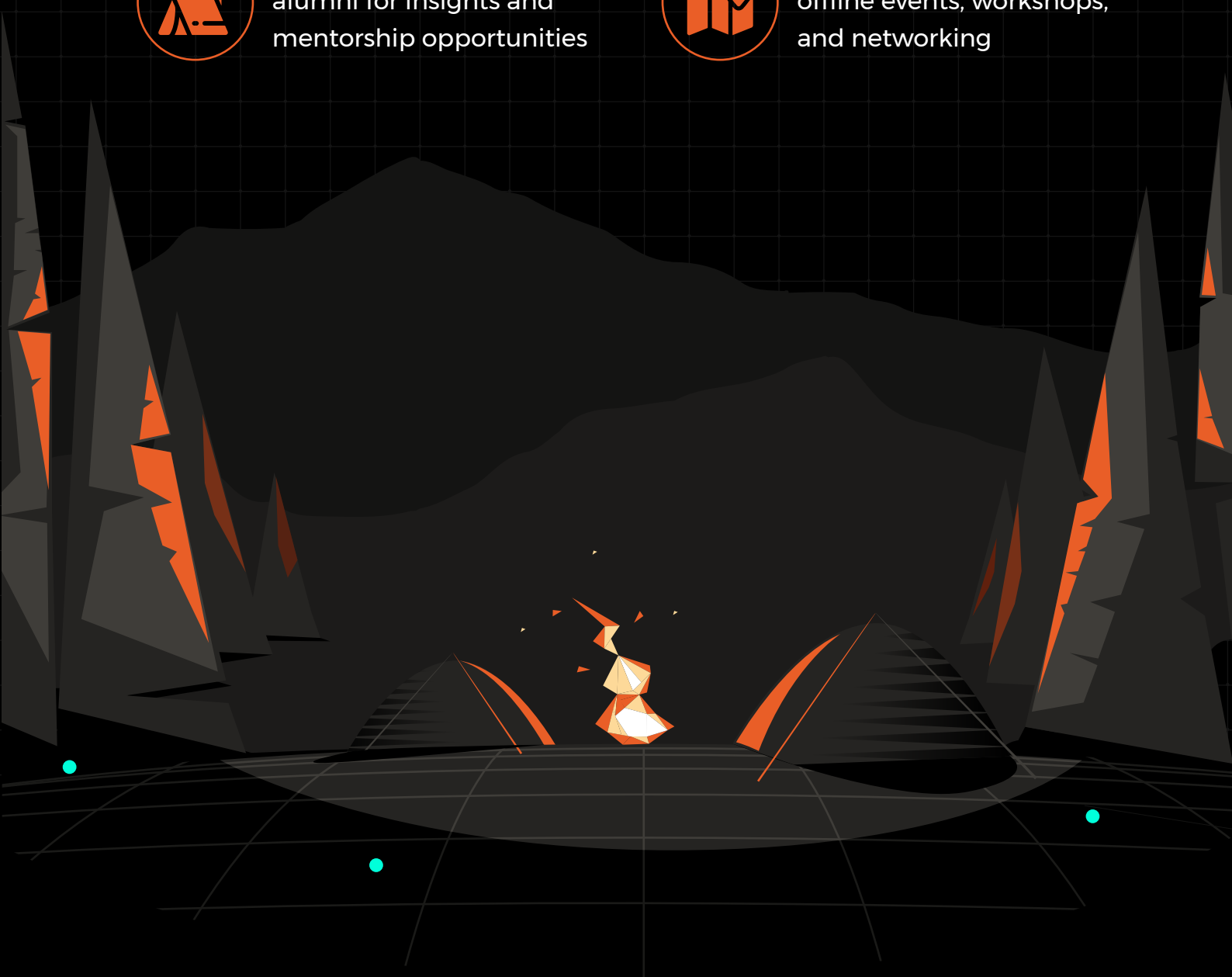
Learn collaboratively with your peers in a dynamic learning environment



Access a network of alumni for insights and mentorship opportunities



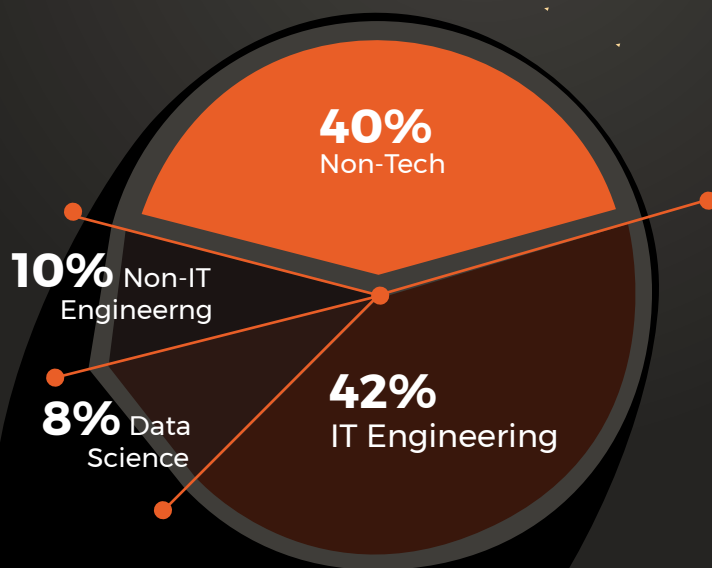
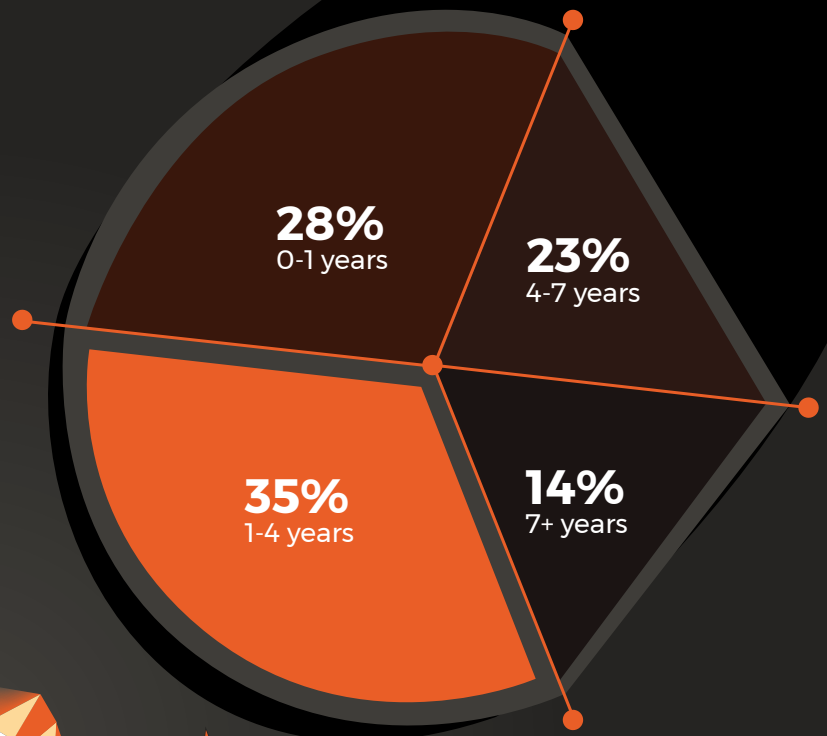
Join Scaler City Clubs for offline events, workshops, and networking





Others on the Same Path

Our learners have
a wide range of
work experience



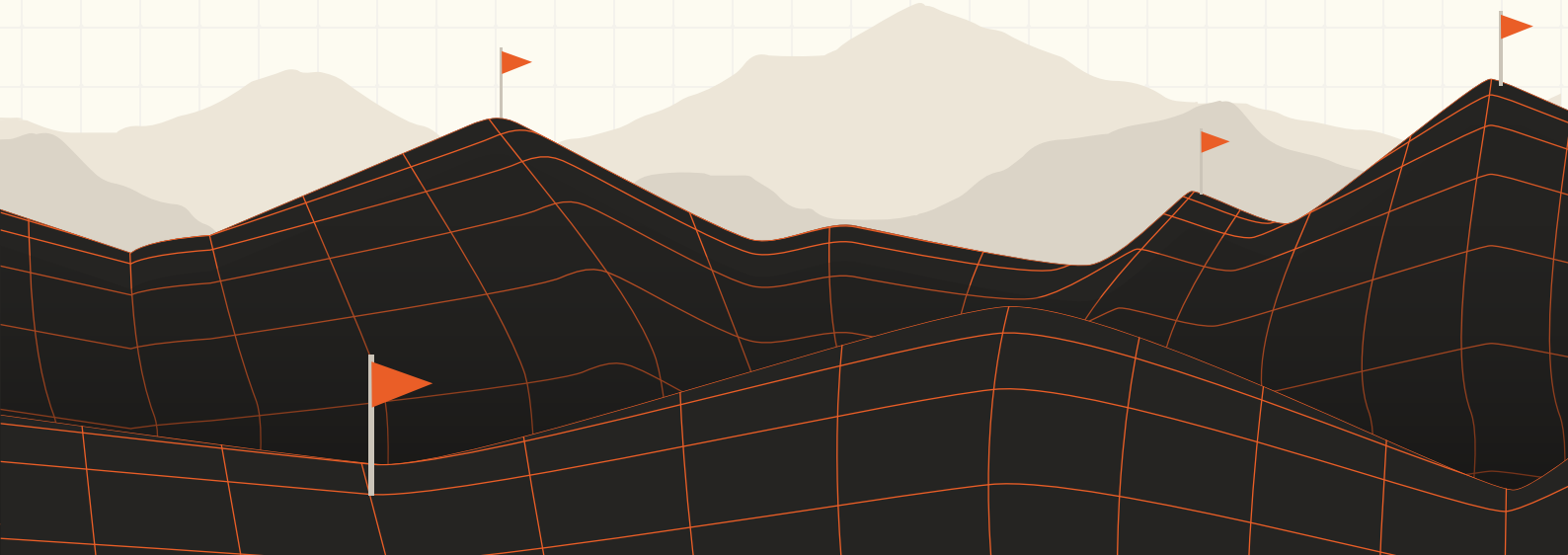
And come
from different
backgrounds



Scaler Placement Assistance

With mock interviews and resume-building sessions, we'll prepare you to find jobs with our placement partners or give you the assistance and confidence needed to venture into the industry to find your dream job.

Our 900+ placement partners include





Why Scaler is Right for You

- About Scaler
- Ecosystem Designed for Learning
- Placement Outcomes & Roles
- Career Transitions of Our Learners
- Hear From Our Learners





About Scaler

Transforming Careers Since 2019



15k+ satisfied learners



Top 1% industry instructors



89.5% success rate

Programs We Offer



Online

Academy (Software Development)
Data Science
DevOps
Neovarsity (Master's Degree)




Offline

Scaler School of Technology
Scaler School of Business

Backed by the Best in the Industry




Kunal Shah

Founder,  CRED



Deepinder Goel

Co-founder, 



Binny Bansal

Co-Founder, 



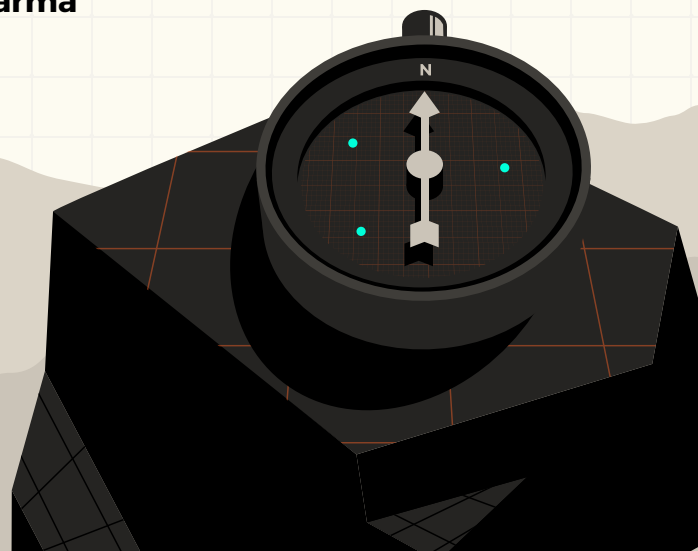
Rajan Anandan

MD,  peakxv
PARTNERS



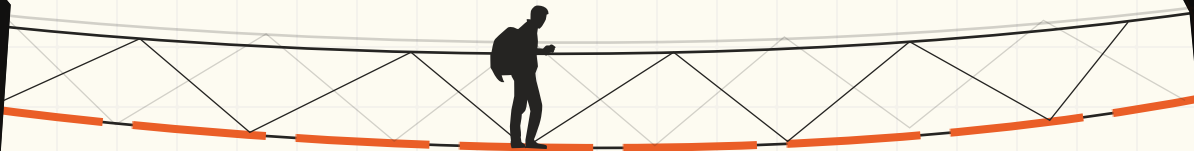
Vijay Shekhar Sharma

MD, 





Ecosystem Designed for Learning



• **Access to Class Recordings** for up to 6 months after course completion

• **Tests** will be conducted after every important module in your curriculum

• **Reset Course Option** to help you restart as and when you need it

• **Teaching Assistants** who will keep you on track to achieve your goals

• **Pause & Resume** from the nearest milestone and get credit back after resuming the course

• **Doubt-solving sessions** to work on your problems and learn from the mistakes of your peers

• **AI-enabled Resume Builder** to help you make it through resume screenings at top companies

• **Mock Interviews** with professionals in the industry to build your confidence



Placement Outcomes & Roles

22%**Data Scientist**

Avg. CTC

₹ 20,28,226

9%**ML Engineer**

Avg. CTC

₹ 22,21,667

9%**Consultant**

Avg. CTC

₹ 41,43,846

3%**Mid-senior Developer**

Avg. CTC

₹ 24,75,000

2%**Leadership**

Avg. CTC

₹ 39,66,667

1%**Sr. ML Engineer**

Avg. CTC

₹ 35,00,000

18%**Sr. Developer**

Avg. CTC

₹ 24,06,200

12%**Manager**

Avg. CTC

₹ 22,41,563

12%**Tech Lead**

Avg. CTC

₹ 32,03,125

12% **Sr. Data Scientist**

Avg. CTC

₹ 45,21,877

Note

*The absolute volume of ML Engineers and Senior Analyst has increased; hence the Average pre-Scaler Salary is higher than post-Scaler Salary.

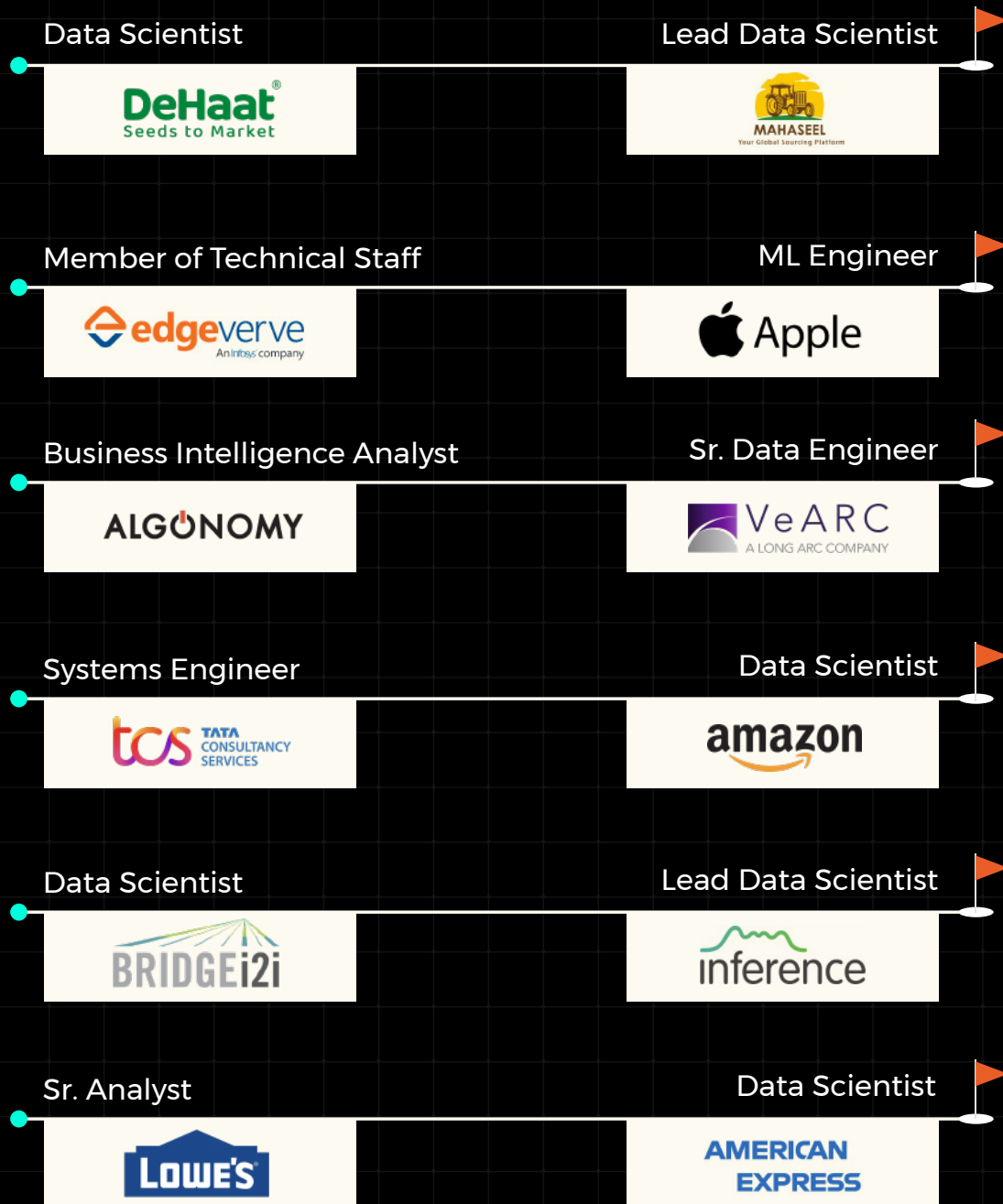
-The data set includes learners who have completed their mandatory modules and have completed a period of 6 months post that, as of Jan 1, 2024.

-Past results do not guarantee future placements.

-The numbers represented here are aggregate numbers for the batch, and are in no way a guarantee of any future salary. Salaries are a function of skills, background, and market conditions.



Career Transition of Our Learners



Note

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Hear From Our Learners



Avijit Swain



"It just feels like yesterday that I joined Scaler's Data Science and Machine Learning Program. I do not even remember how the past few months just flew by. The last 1 year at Scaler has literally altered the course of my life. From being completely directionless and hopeless to regaining my confidence, this has been an unbelievable turnaround for me."



Sunshodan Makkar



"I'd like to thank the Scaler team—great instructors like Mohit Uniyal and Scaler's teaching assistants made my transition into the DSML field very smooth. While Data Analytics wasn't my initial area of interest, attending classes and immersing myself in learning allowed me to discover a genuine interest and passion for it."



Mayank Khandelwal



"The best way to learn something is by diving straight into the deep end and broadening your horizons. For that, I would like to specifically thank Srikanth Varma Chekuri. Having an in-depth understanding of the various projects we can target—as a fresher or an experienced professional - was super exciting to learn about."

[Hear More](#)



Ready to Start Your Data Science Journey?

[Apply Now](#)

