AI is Transforming The Tech World

Artificial Intelligence is the cornerstone of the data-driven revolution, redefining the decision-making processes of organisations. Professionals with a strong foundation in DSML are in greater demand than ever.

$15.7
Trillion by 2030

Will be the contribution of AI to the global economy

(Source: PwC)

66%
Leaders

Would not hire professionals who lack expertise in AI

(Source: Microsoft)

71%
Employers

Prefer hiring AI-skilled professionals over experienced ones

(Source: Microsoft)

38%
Annual Growth

Expected from the AI market between 2023 & 2030
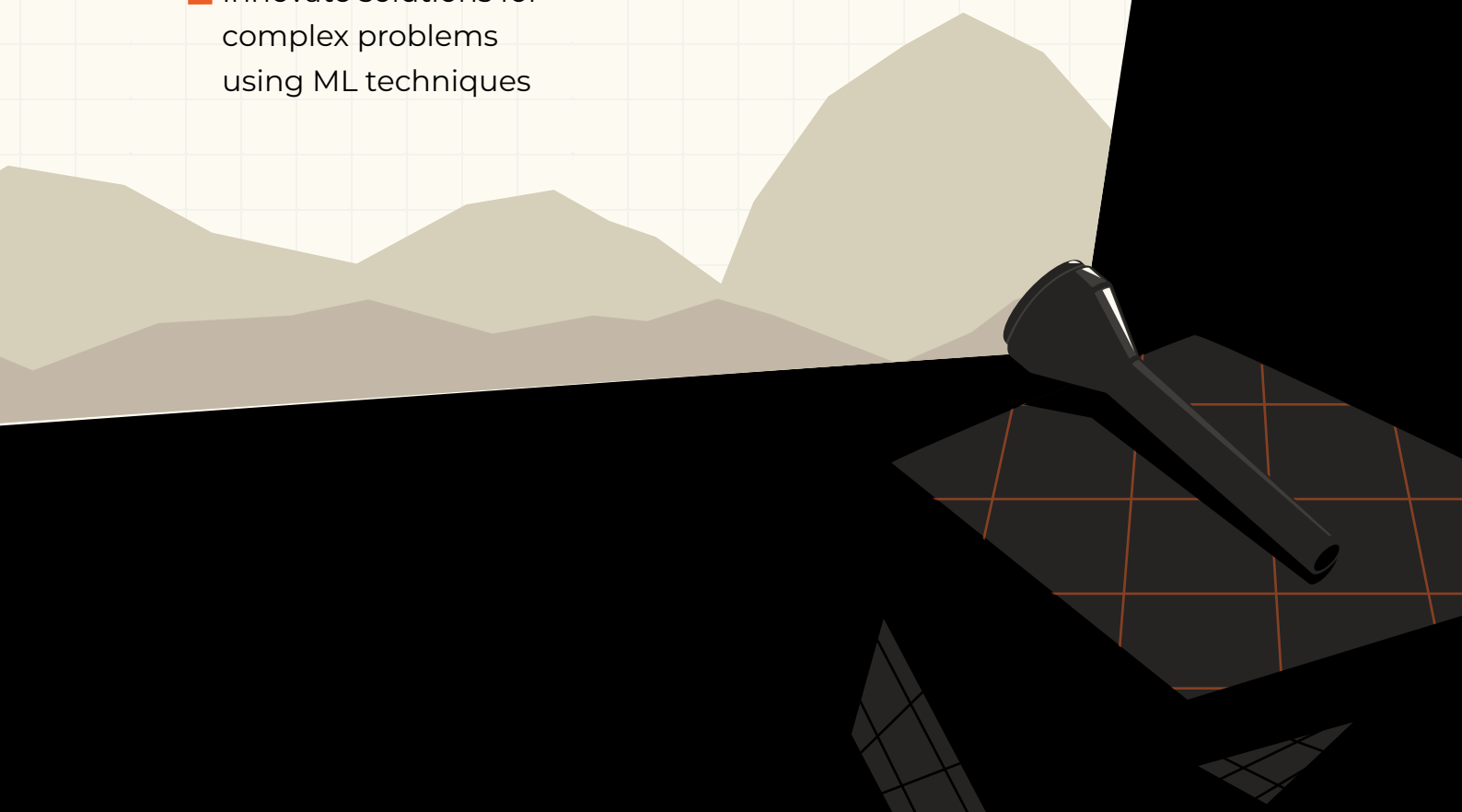
(Source: Forbes)

Why Learn AI with Scaler?

We offer a comprehensive, **industry-vetted curriculum** to make you proficient in AI-powered data analysis and problem-solving. From mastering tools like Tableau to developing **portfolio projects**, you'll gain expertise that prepares you for leadership roles.

Transform Data into Impact

With AI, you'll become a DSML professional with skills to:

- Build predictive models that transform raw data into insights

- Design intelligent systems to optimise business operations

- Innovate solutions for complex problems using ML techniques

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Course Summary

Program at a Glance

Program Name
Data Science with Specialisation in AI

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

▶ AI-Powered Teaching Assistance

▶ Placement assistance

▶ Network of 20k+ learners

▶ AI-Powered Mock Interviews

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**
(72 lectures | 24 weeks)

Python Libraries	Probability & Statistics	Basics of Data Analysis	Product Analytics

Domain Analytics (Special Elective)

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

Maths of ML	Introduction to ML and NN	ML Supervised Algorithms	ML Unsupervised Algorithms

MLOps	Machine Learning Time Series & Recommendation Systems

● **Optional - Deep Learning** (36 lectures | 12 weeks)

Neural Networks	Natural Level Processing	Computer Vision

● **Special Elective** (60 lectures | 20 weeks)

Generative AI	Portfolio Project	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
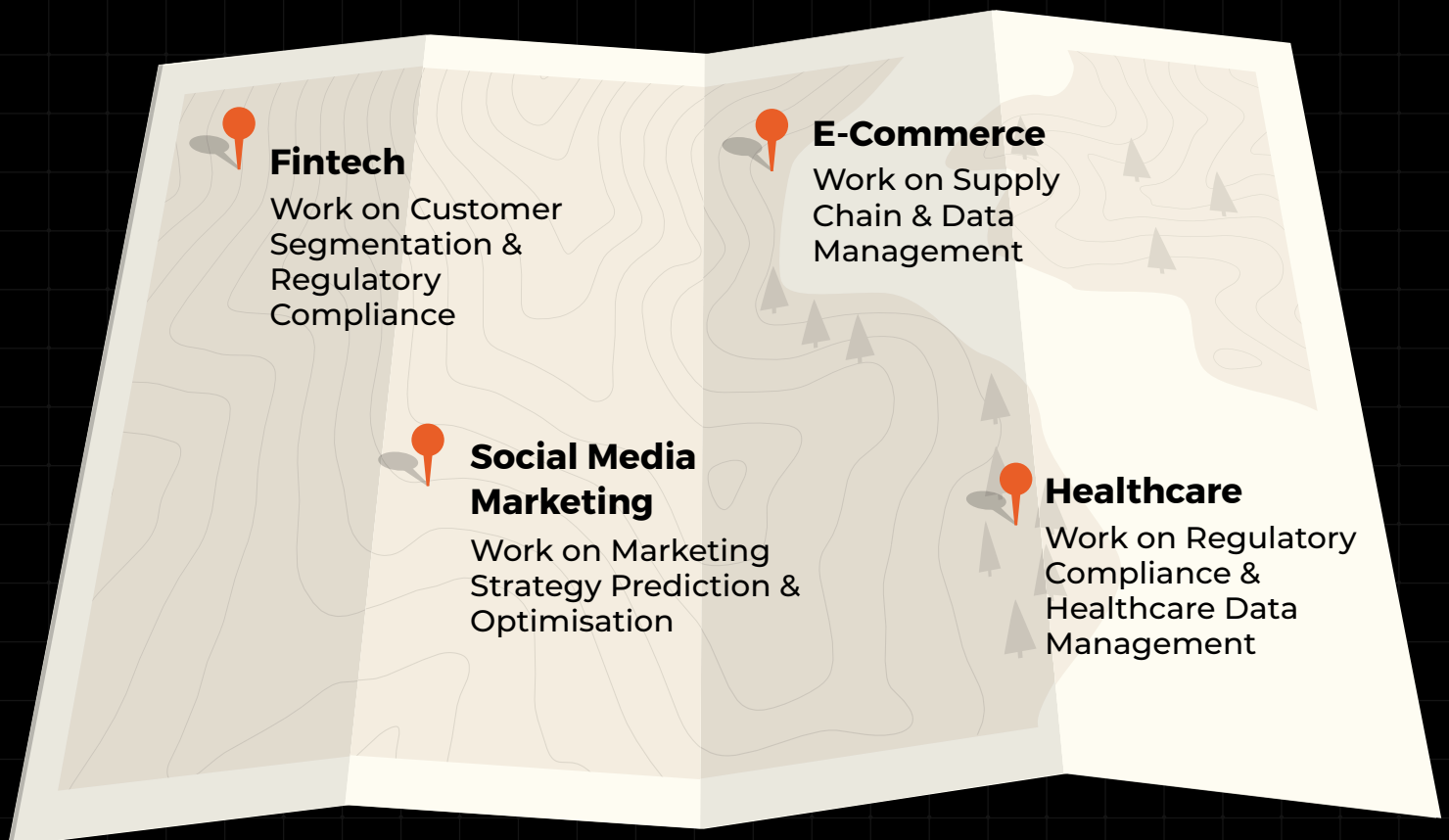
Apply Skills to Business Problems

● 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:

Fintech
Work on Customer Segmentation & Regulatory Compliance

E-Commerce
Work on Supply Chain & Data Management

Social Media Marketing
Work on Marketing Strategy Prediction & Optimisation

Healthcare
Work on Regulatory Compliance & Healthcare Data Management

*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: Generative AI

Create product recommendation models based on customer data

Skills: Text generation, prompt engineering & fine-tuning LLMs

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

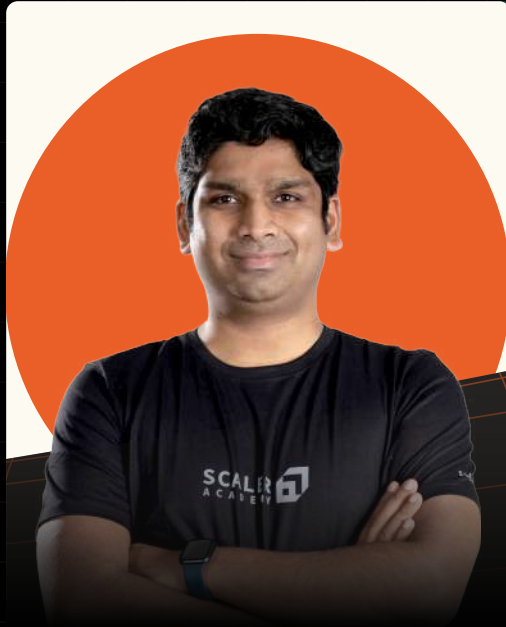Ex-Instructor and Product Engineer at Coding Block

- 4.7 star review rating
- 6800+ learners taught
- 5+ years of experience

Curriculum Advisors

Srikanth Varma
Ex- amazon

- 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
- Mentors To Guide You
- Choose How High You'll Go
- Be Part of Our Community
- Others on the Same Path
- Career Transition of Our Learners

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
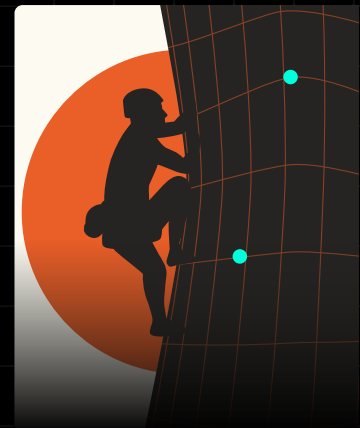
(Scaler Assessment Test)

Advanced

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

Intermediate

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

Beginner

- ⓘ Non-coders
- 🕐 15-18 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.

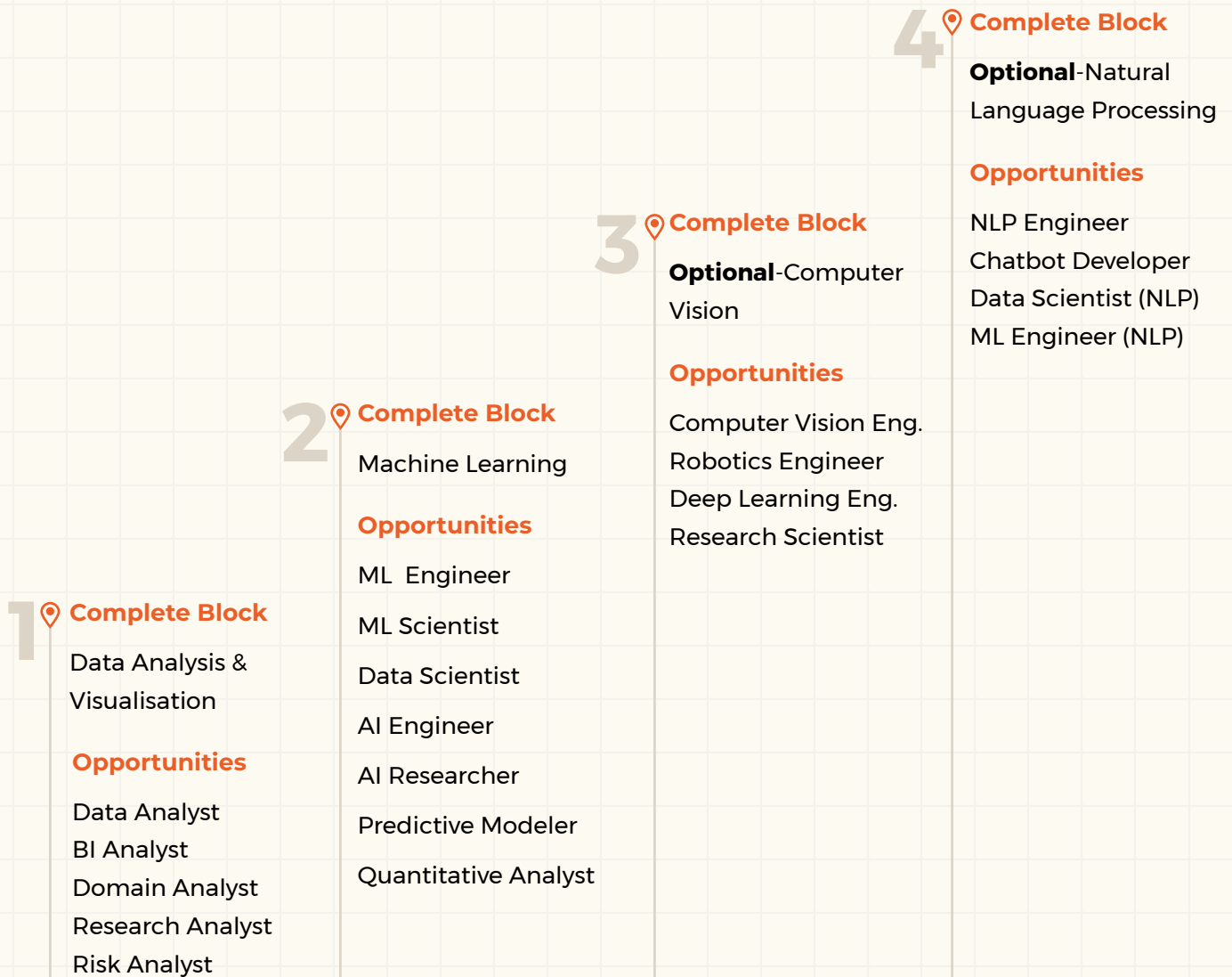### Sajjad Manal
Applied Scientist

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.

4 **Complete Block**

Optional-Natural Language Processing

Opportunities

NLP Engineer
Chatbot Developer
Data Scientist (NLP)
ML Engineer (NLP)

3 **Complete Block**

Optional-Computer Vision

Opportunities

Computer Vision Eng.
Robotics Engineer
Deep Learning Eng.
Research Scientist

2 **Complete Block**

Machine Learning

Opportunities

ML Engineer
ML Scientist
Data Scientist
AI Engineer
AI Researcher
Predictive Modeler
Quantitative Analyst

1 **Complete Block**

Data Analysis & Visualisation

Opportunities

Data Analyst
BI Analyst
Domain Analyst
Research Analyst
Risk Analyst

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.

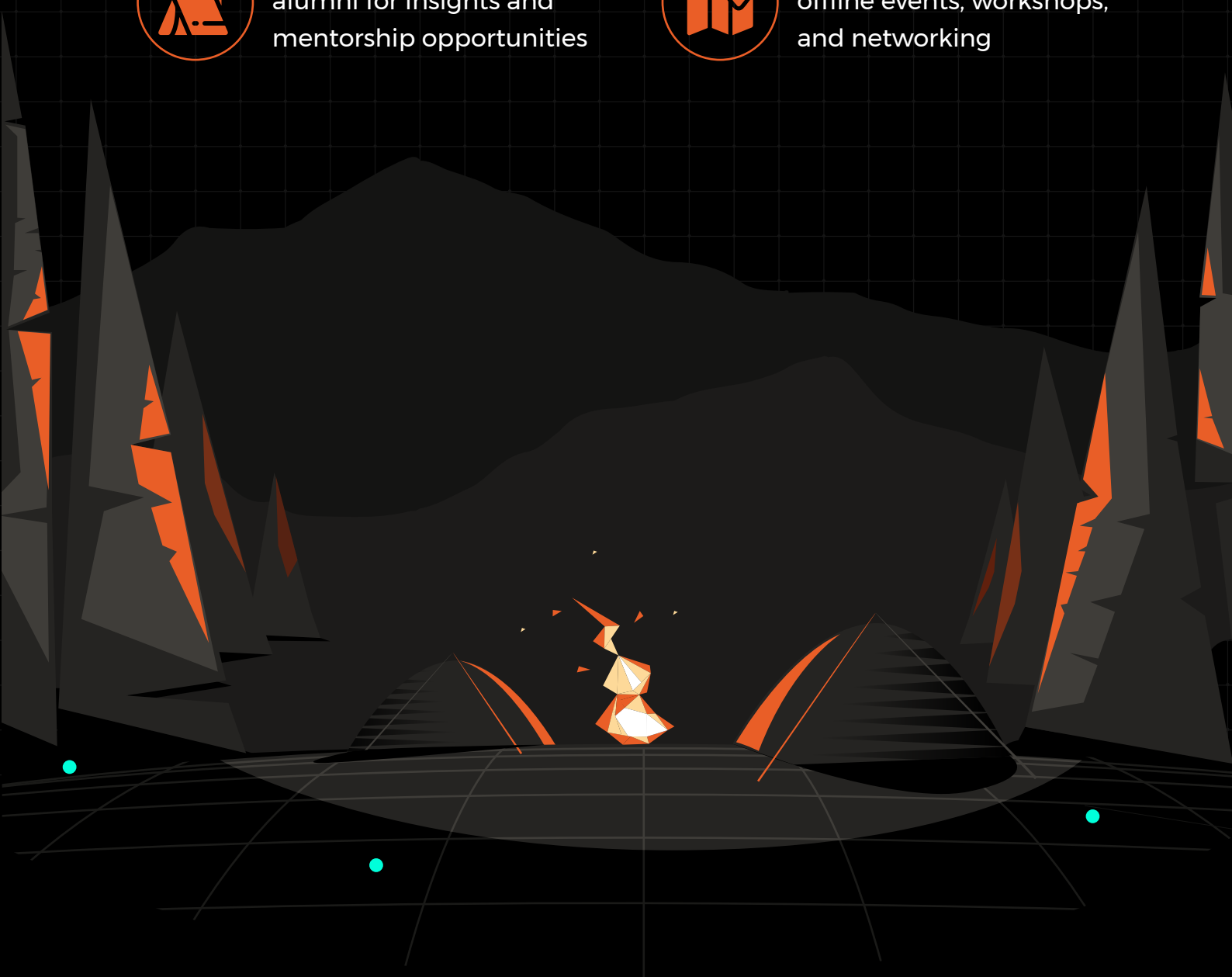Be part of a network of 20k+ learners and alumni

Learn collaboratively with your peers in a dynamic learning environment

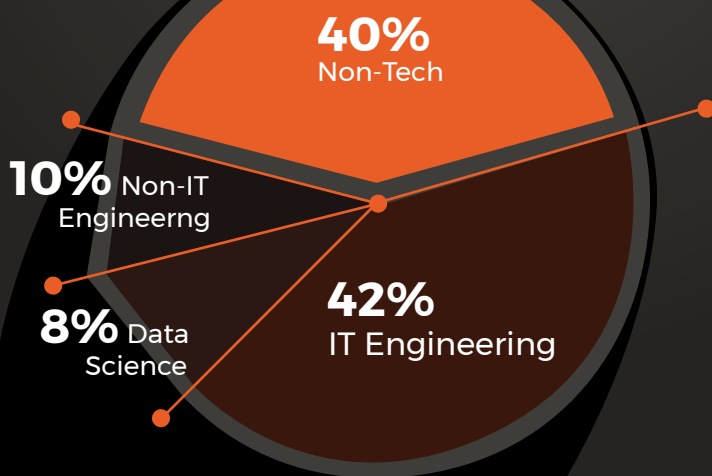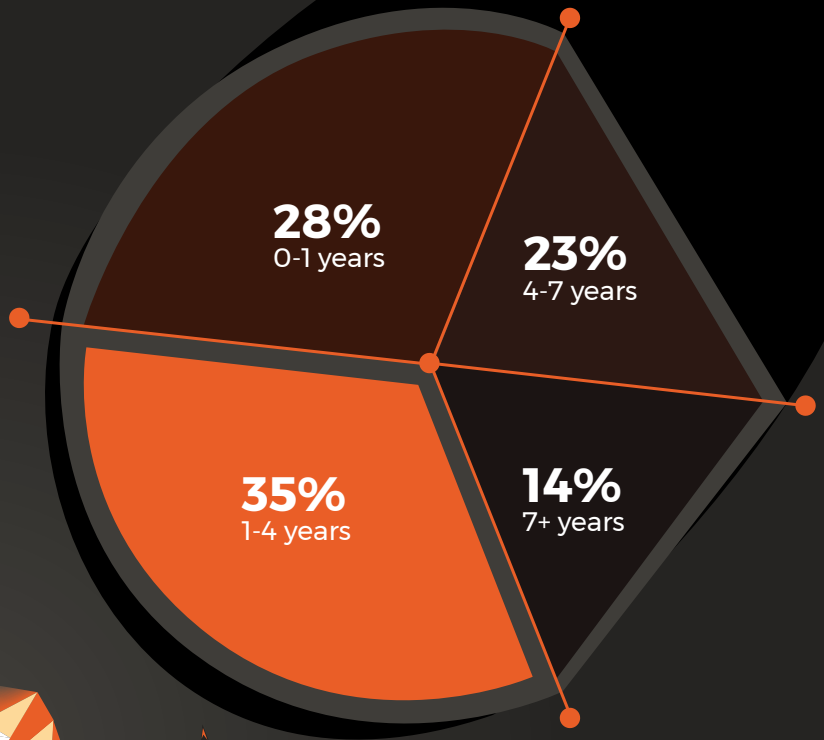Access a network of alumni for insights and mentorship opportunities

Join Scaler City Clubs for offline events, workshops, and networking
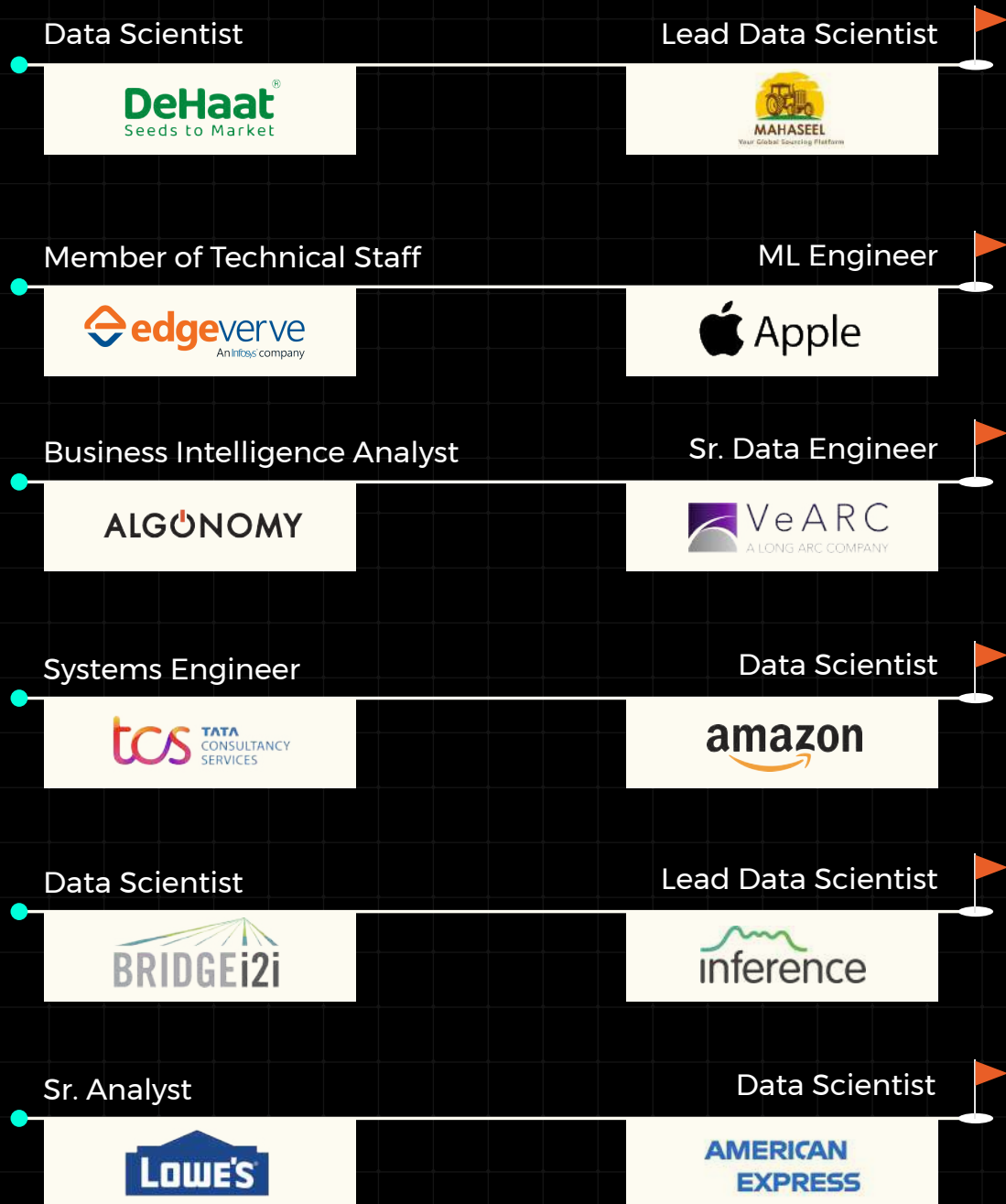
Others on the Same Path

Our learners have a wide range of work experience

28%
0-1 years

23%
4-7 years

35%
1-4 years

14%
7+ years

40%
Non-Tech

10% Non-IT Engineerng

8% Data Science

42%
IT Engineering

And come from different backgrounds

Career Transition of Our Learners

Data Scientist	Lead Data Scientist
DeHaat — Seeds to Market	MAHASEEL — Your Global Sourcing Platform

Member of Technical Staff	ML Engineer
edgeverve — An Infosys company	Apple

Business Intelligence Analyst	Sr. Data Engineer
ALGONOMY	VeARC — A LONG ARC COMPANY

Systems Engineer	Data Scientist
tcs — TATA CONSULTANCY SERVICES	amazon

Data Scientist	Lead Data Scientist
BRIDGEi2i	inference

Sr. Analyst	Data Scientist
LOWE'S	AMERICAN EXPRESS

Note

-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.

Why Scaler is Right for You

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, zomato

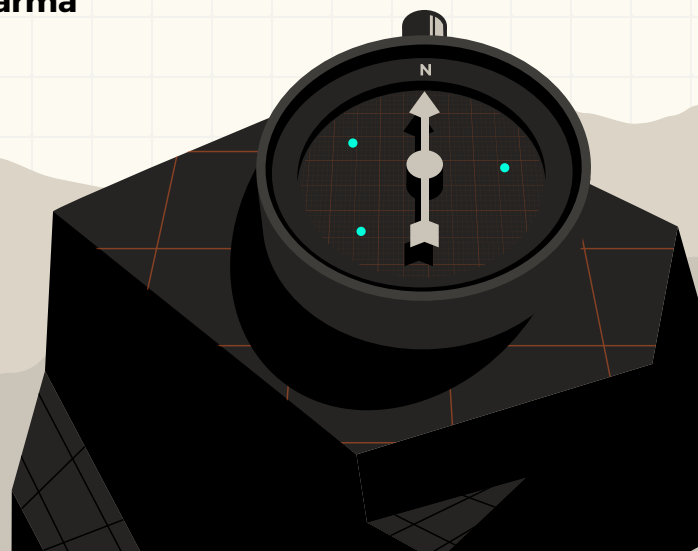● **Binny Bansal**
Co-Founder, Flipkart
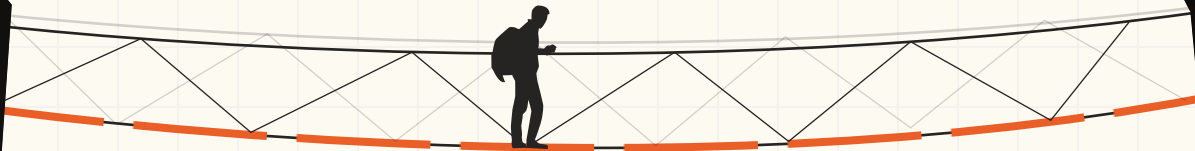
● **Rajan Anandan**
MD, peak xv PARTNERS

● **Vijay Shekhar Sharma**
MD, Paytm

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
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Assessed by B2K analytics

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
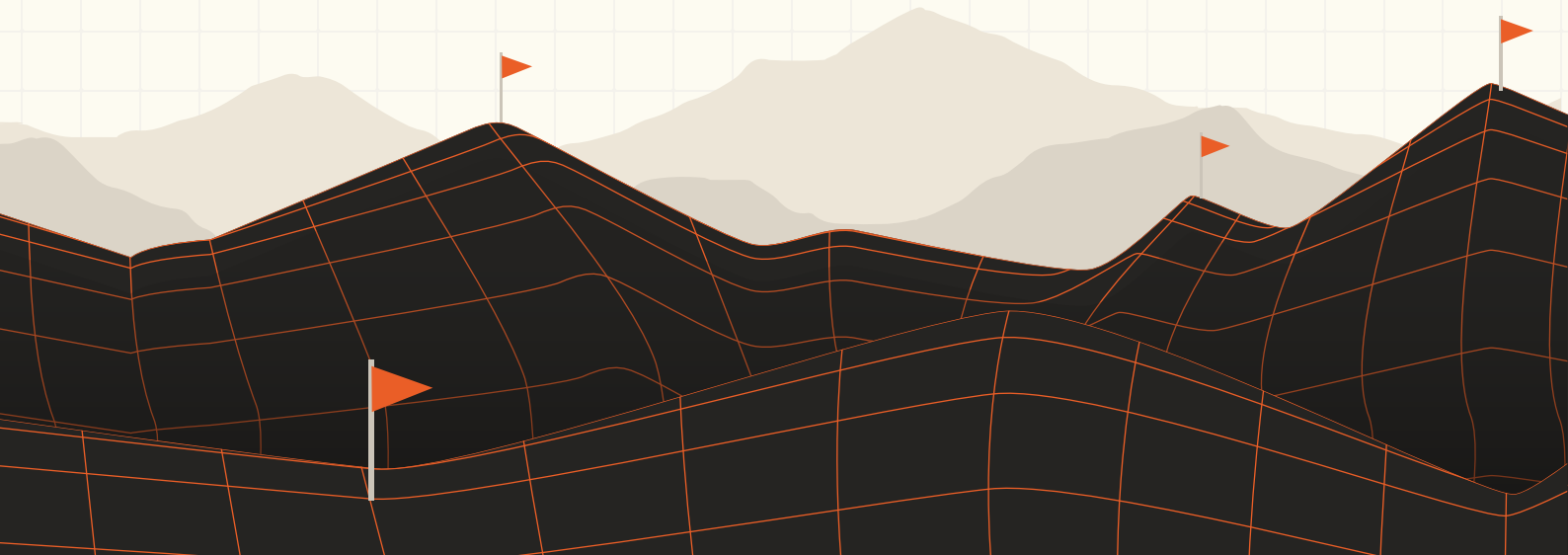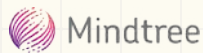
Hear From Our Learners

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
amber

"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
CAM COM
EYE THE FUTURE

"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