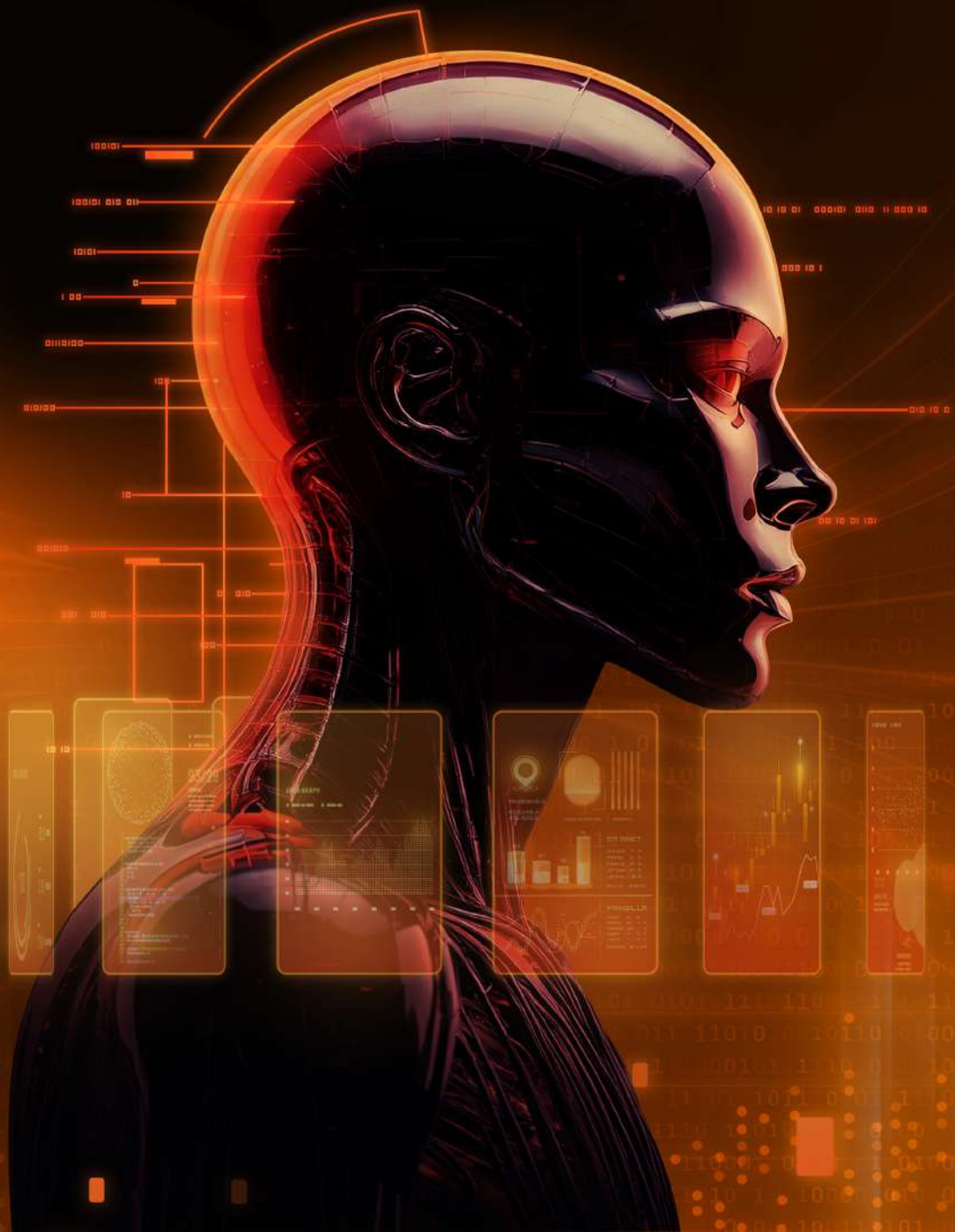SCALER | Advanced AI & Machine Learning

India's Only Practical AI & ML Program

using real-world case studies

Index

Course Summary

Program at a Glance
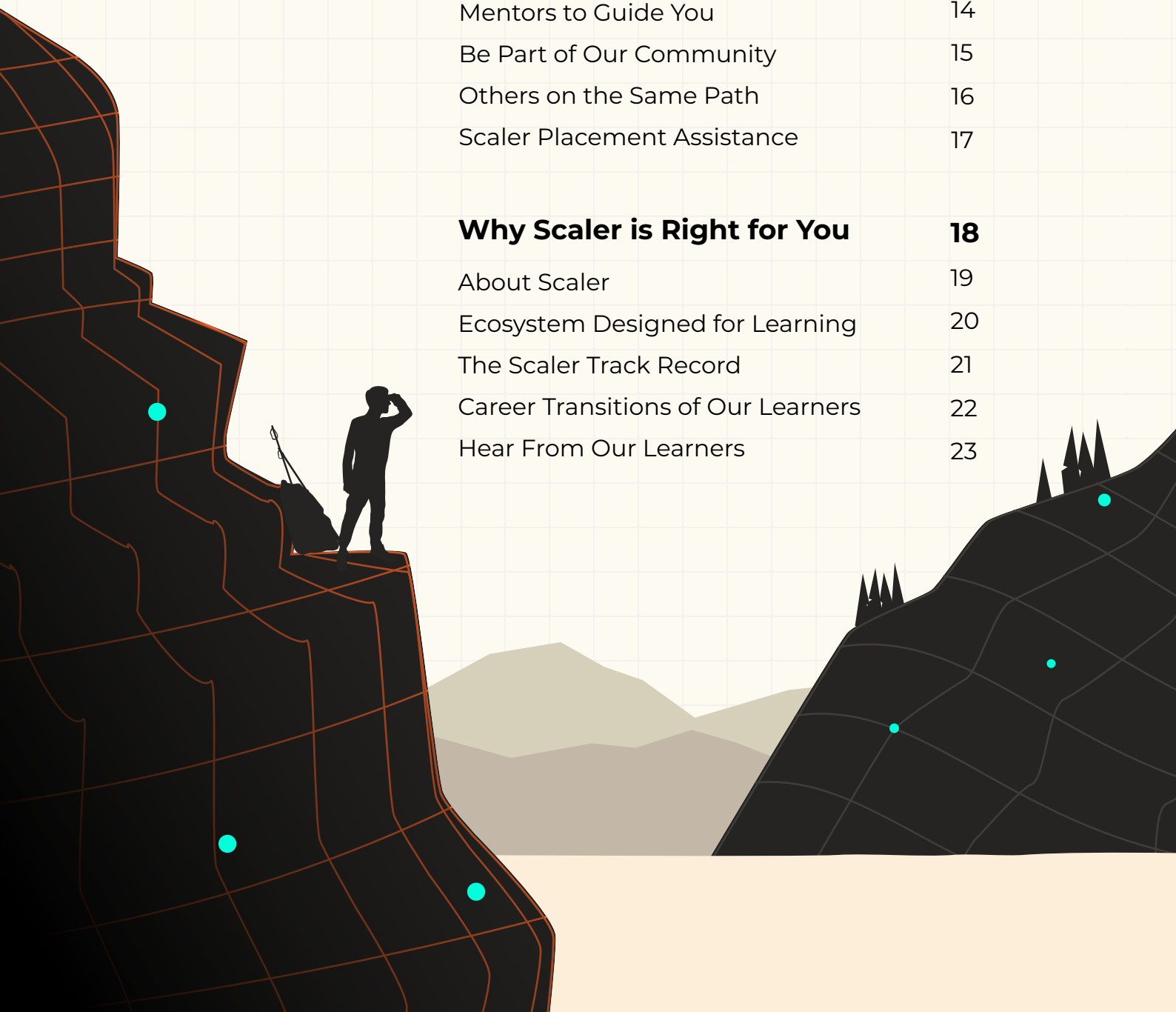
Program Name
Scaler Advanced AI & Machine Learning

Certifications
NSDC Certified

Mode of Learning
100% Live Learning

Eligibility
Tech professionals with 2+ years experience

Instructors
AI specialists from top companies

Program Duration
12 months

Common Outcomes
AI Engineer, ML Engineer, MLOps Engineer and Applied Scientist

The Learning Experience

▶ 1:1 Industry mentorship

▶ Practical application-based learning

▶ On-demand Teaching Assistants

▶ Placement assistance

▶ Network of 20k+ learners

▶ AI-Powered Mock Interviews

Learn Through Experiences

- What the Industry Needs
- Curriculum Outline
- Reach New Heights
- Live Projects During Classes
- Case Studies You'll Work On
- Curriculum Advisors
- Training You to Reach the Top
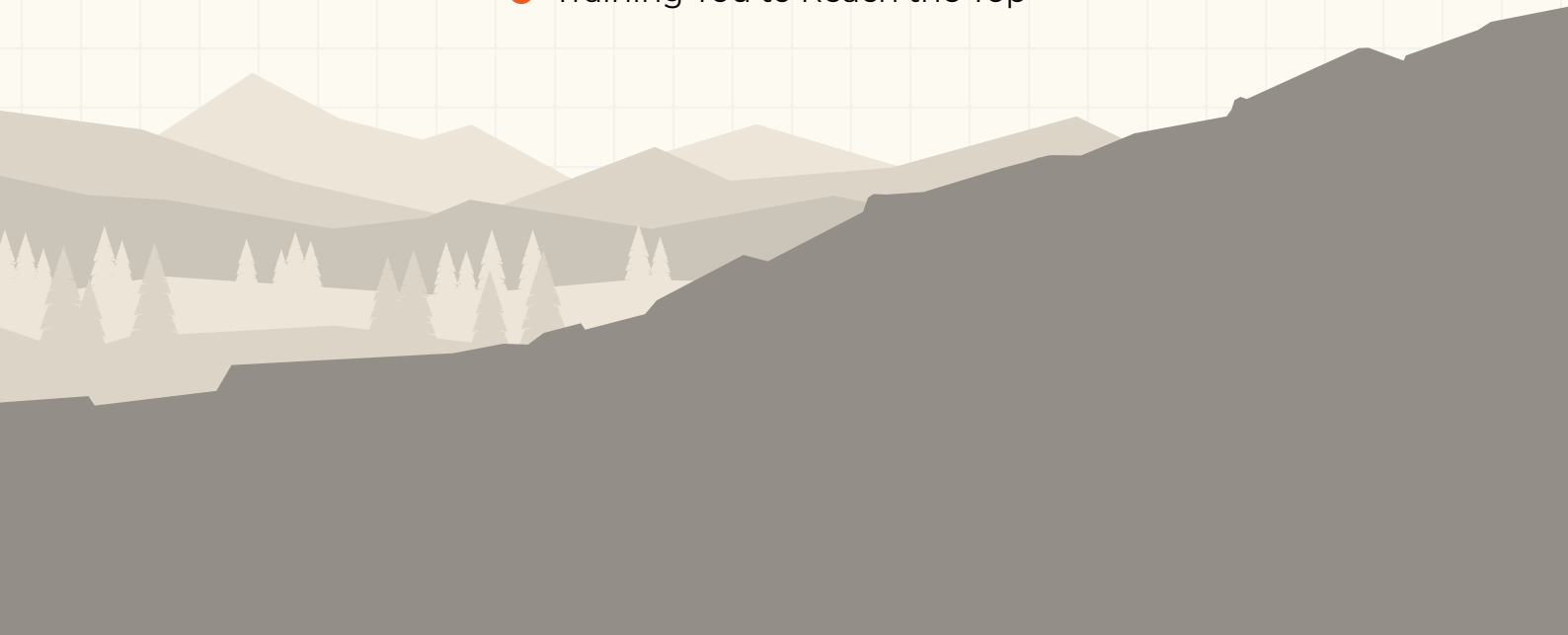
What the Industry Needs

> **71% of business leaders** *said they would rather hire a less experienced candidate with AI skills than a more experienced candidate without them.*
>
> – 2024 Work Trend IndexAnnual Report,
> **Microsoft**

Here's How We Make You Industry-Ready
Learn From Challenges Being Faced by Tech Titans

- **Live Projects** sourced directly from top tech companies

- **Interactive Classes** centred on practical learning & problem-solving

- **50+ Case Studies** from the industry covered during live classes

- **Selective Admission** to ensure a competitive & focused peer group

- **AI Specialists** from the industry will be mentoring & teaching modules

- **Dedicated Placement Assistance** to help learners secure roles at top firms

Curriculum Outline

- **Foundational Concepts** (16 live classes | 7 projects)

Data Analysis & Visualisation	Maths for ML

- **Core ML & AI** (52 live classes | 22 projects)

Traditional ML	Deep Learning	Natural Language Processing

Computer Vision	Time Series & Recommender Systems

- **Advanced ML Engineering & Applications**
  (48 live classes | 18 projects)

Gen AI	MLOps, LLMOps & ML System Design	Big Data

Reinforcement Learning

- **Some tools you will learn**

Hugging Face	Python	Llamaindex	OpenAi

LangChain	AWS	PyTorch	TensorFlow

Deep dive into our curriculum   **Know more**

Reach New Heights

The skills that you gain during the program will open opportunities in various areas. Here are some such roles.

Generative AI (Gen AI) Based Roles

AI Research Scientist (NLP)

AI Research Scientist (ML)

Chatbot Developer

NLP Engineer

AI Engineer/Researcher

Deep Learning (DL) Based Roles

Computer Vision Engineer

Robotics Engineer

Deep Learning Engineer

Research Scientist (CV)

Research Scientist (ML)

Applied Scientist

Data Scientist (focus on NLP)

Machine Learning (ML) Based Roles

ML Engineer

ML Engineer

ML Scientist

ML Researcher

Predictive Modeler

Quantitative Analyst
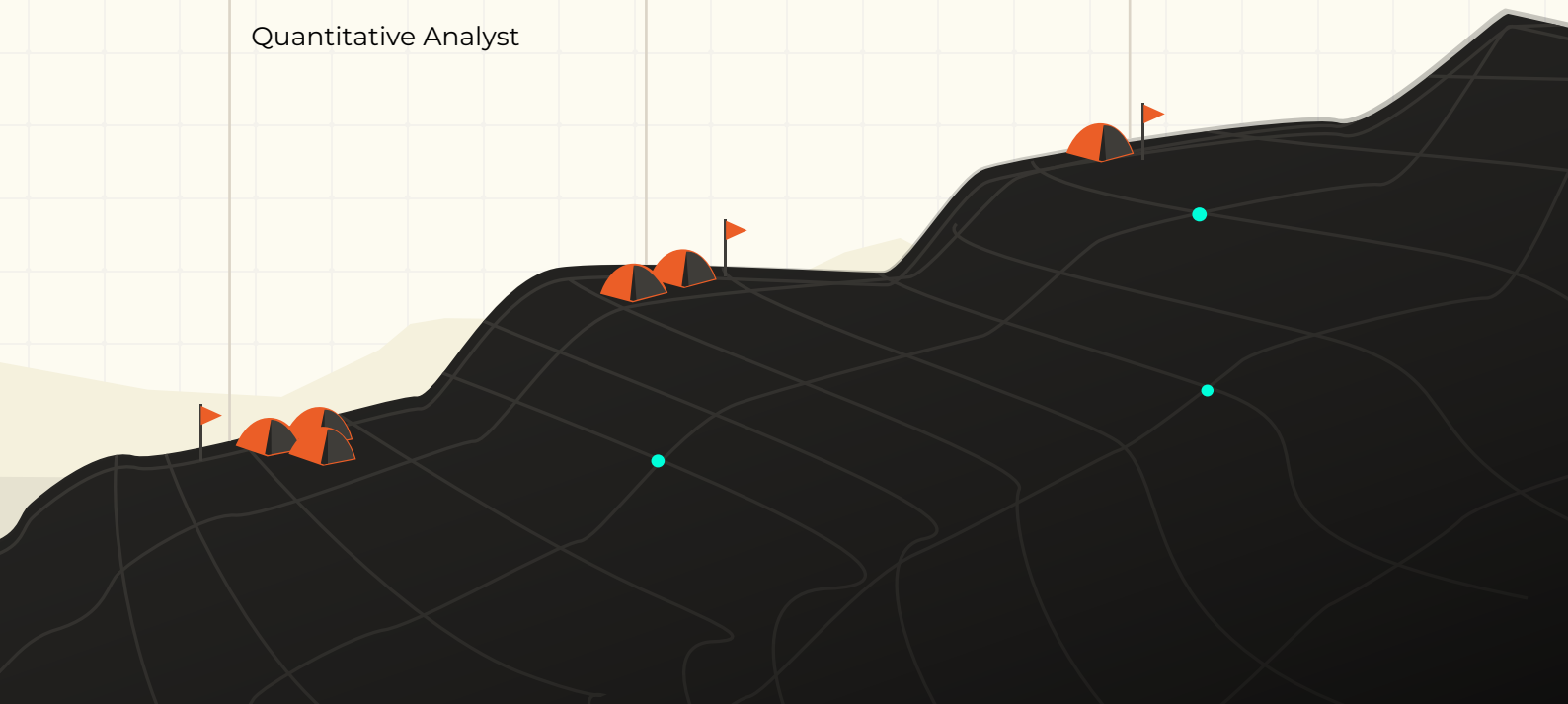
Live Projects During Classes

Learners will work on live business cases from top product companies and brands like Target, Blinkit, Akamai, Cloudsek, Yulu, etc.

Delivery Time Prediction

Uber

Learn how to apply advanced AI techniques to predict delivery times, enabling you to build efficient logistics systems for real-world applications.

Credit Card Fraud Detection

CRED

Master Deep Learning frameworks to develop fraud detection models, equipping you to create secure payment systems and protect financial transactions.

Video Streaming Recommendations

NETFLIX

Explore recommendation systems and time-series analysis to design personalised streaming experiences that increase user engagement and retention.

Food Delivery Data Exploration

zomato

Gain expertise in data analysis and visualisation to uncover trends and optimise decision-making for the food delivery industry.

Case Studies You'll Work On

You'll take home case studies that will include challenges faced by top tech companies to work on.

PayPal

AI-Powered Fraud Detection: Use Machine Learning to block fraudulent transactions, ensuring security.

CleverTap

Gen AI for Product Personalisation: Develop AI models for personalised shopping, boosting engagement and sales.

Akamai

Real-Time Network Optimisation: Optimise networks with AI to reduce junk traffic and delays.
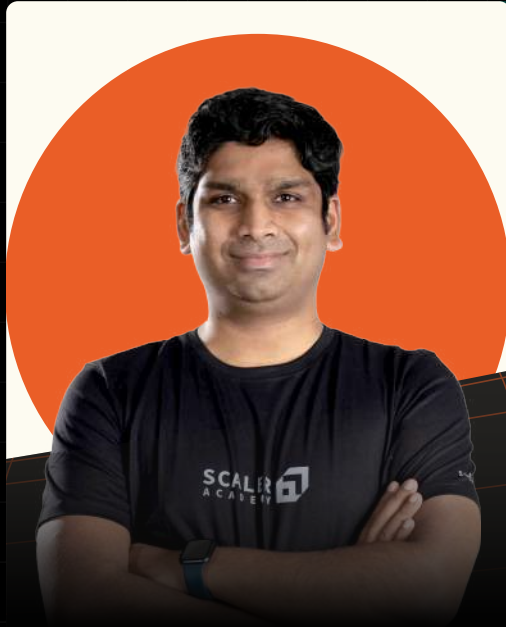
blinkit

Text-to-Image Generative Models: Build AI systems to generate images from text, revolutionising creativity.

games 24x7

AI-Enhanced User Experiences: Design AI solutions for engaging apps and games, improving retention.

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

Training You to Reach the Top

Shivank Agarwal
Ex- Microsoft

Senior V.P. Data Science & AIML Scaler

Ex-Microsoft

Ex-Inmobi

Ex-Oracle

4.8 star review rating
7000+ learners taught
14+ years of experience

Naman Bhalla
Ex-Google

Head of AI Companion, Scaler

Ex- Google

Secured Global Rank 135 in Google Kickstart Round D

ACM ICPC 2019-20 Kanpur Regionals Rank 37

4.8 star review rating
13,000+ learners taught
5+ years of experience

Suraaj Hasija
Ex- MasterCard

Senior Manager, Data Science at Scaler

Ex-Mastercard

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

4.6 star review rating
6800+ learners taught
8+ years of experience

Shape Your Own Journey

- Your Starting Point
- Mentors to Guide You
- Be Part of Our Community
- Others on the Same Path
- Scaler Placement Assistance

Your Starting Point

Entry to the batch is basis your performance in our entrance test.

Scaler Entrance Test (SET) will test your coding skills and aptitude for the program.

Who is this program right for?

▶ **Profession:** SDEs, Data Analysts, Data Scientists or other tech roles

▶ **Coding Experience:** 2+ years of experience in the industry

▶ **Aim:** Looking to upskill & gain AI & ML skills or transition to AI/ML Engineer roles

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

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
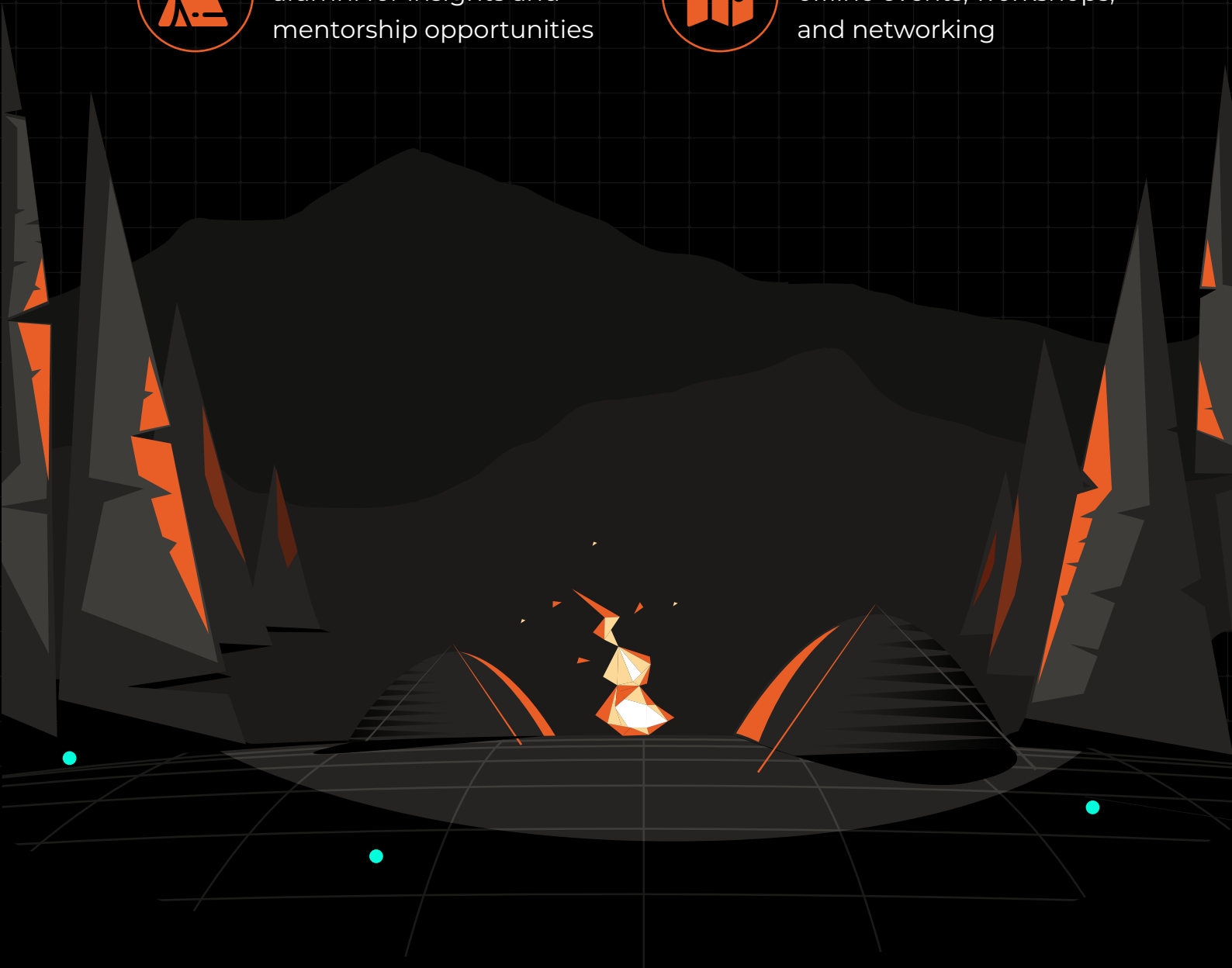
Others on the Same Path

Our learners have a wide range of work experience in tech

42%
2-4 years

27%
5-8 years

31%
9+ years

20%
Non-IT Engineer

12%
Data Science

68%
Software Engineer
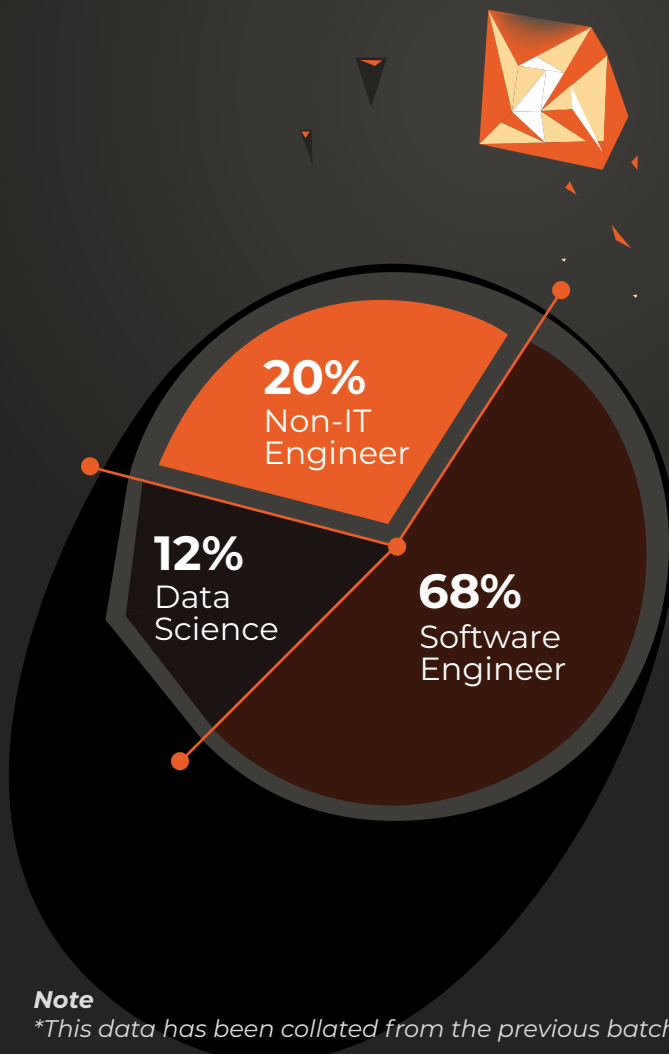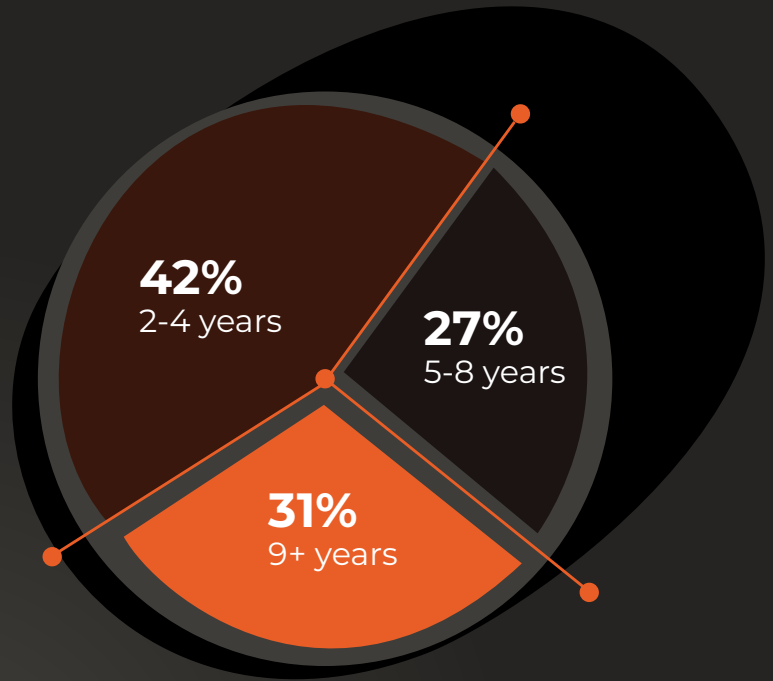
They also come from different tech backgrounds

Note
This data has been collated from the previous batch of the Scaler Academy and DSML programs.

Scaler Placement Assistance

After mock interviews and resume-building sessions with us, our learners have been successfully placed with top product companies and placement partners.

Our 900+ placement partners include
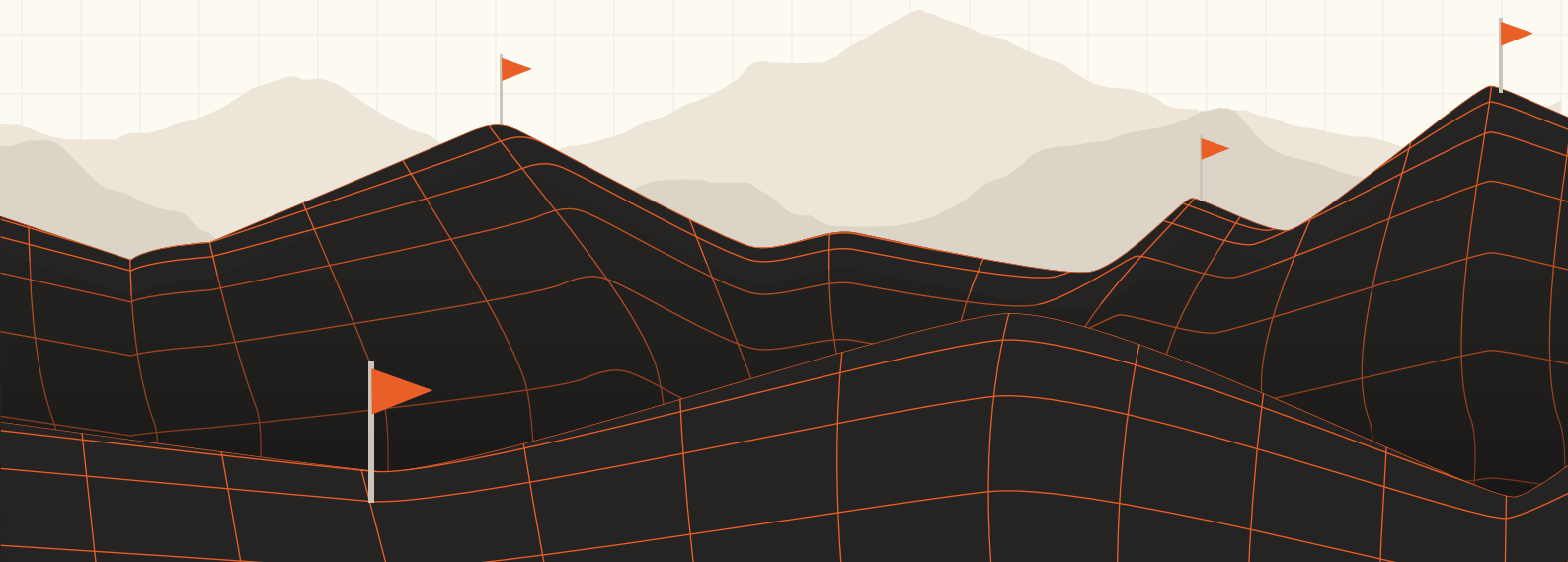
Why Scaler is Right for You

- About Scaler
- Ecosystem Designed for Learning
- The Scaler Track Record
- 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, zomato

● **Binny Bansal**
Co-Founder, Flipkart

● **Rajan Anandan**
MD, peak xv PARTNERS

● **Vijay Shekhar Sharma**
MD, Paytm
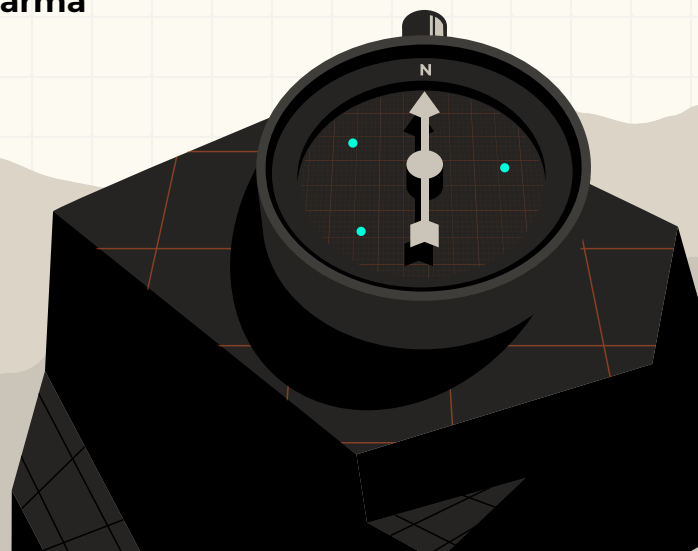
Ecosystem Designed for Learning
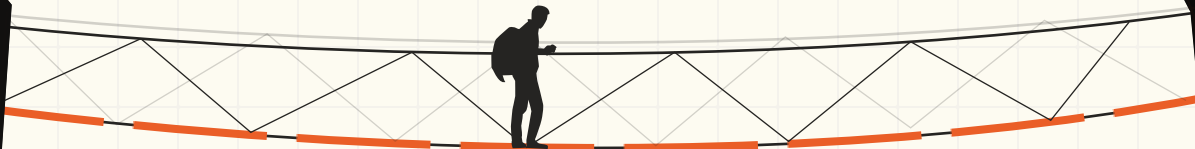
Access to Class Recordings for up to 6 months after course completion

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

AI-Powered Mock Interviews to simulate real-world interview experiences

The Scaler Track Record

PRE & POST SCALER SALARY HIKE

		Pre Scaler CTC	Post Scaler CTC
SCALER ACADEMY	Max	₹1,50,00,000	₹2,03,00,000
	Median	₹9,00,000	₹25,00,000
SCALER DATA SCIENCE	Max	₹1,10,00,000	₹2,10,00,000
	Median	₹7,00,000	₹18,00,000

SCALER ACADEMY

Hike in CTC%

150%

Median

SCALER DATA SCIENCE

Hike in CTC%

110%

Median

CAREER TRANSITION RATE

Scaler Academy
96%

Scaler Data Science
83%

Note

This data is based on the placement records of learners from the Scaler DSML & Academy program.
-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.

Assessed by B2K analytics

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**
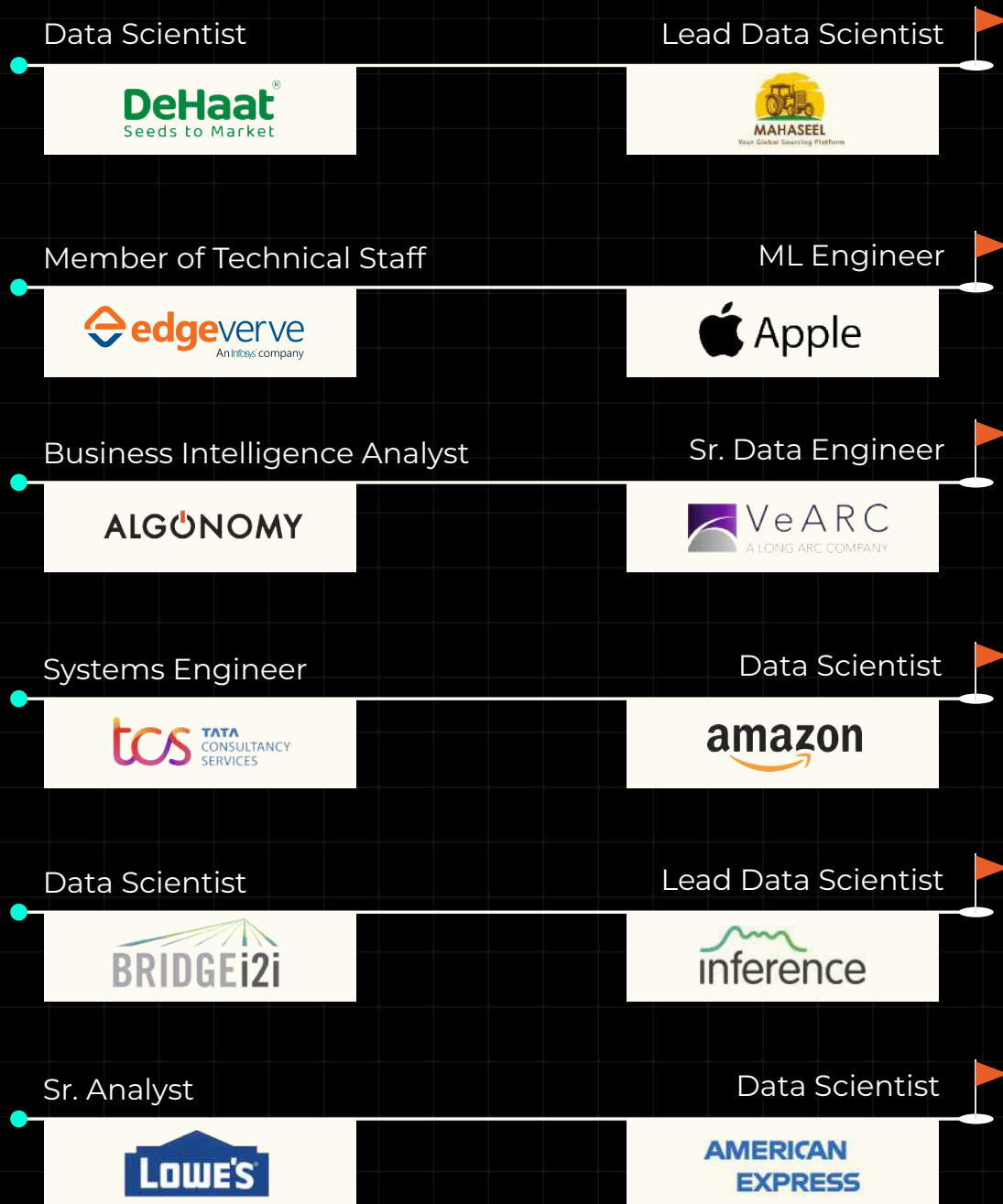
Sr. Analyst → Data Scientist
LOWE'S → **AMERICAN EXPRESS**

Note
This data is based on the placement records of learners from the Scaler DSML & Academy program.
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Assessed by B2K analytics

Hear From Our Learners

Ankit Pangasa
Google

"Working at Google is a dream for all techies, and Scaler helped me realise this dream. Their course structure is impeccable and has helped me widen my knowledge horizon beyond the basics. They have truly established that knowledge is not limited to the four walls of a classroom, and I am grateful for all that I have learned!"

Abinay Bingumalla
ORACLE

"I initially joined Scaler to brush up on my fundamentals but got the whole grand package instead. And it was easily the best decision I could have made for myself! I got a much-needed skill boost and developed a focused and disciplined mindset that helped me pave my way towards companies like Microsoft and Oracle."

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."

Bhaskar Shaw
Walmart

"Consistently practising problems every single day for 200+ days definitely paid-off in the end, and I have Scaler to thank for supporting me in every way possible. They left no stone unturned, be it a fantastic curriculum, personalised mentorship or ample placement opportunities."

Avijit Swain
gn

"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."

Want to know about other learners?

Hear More
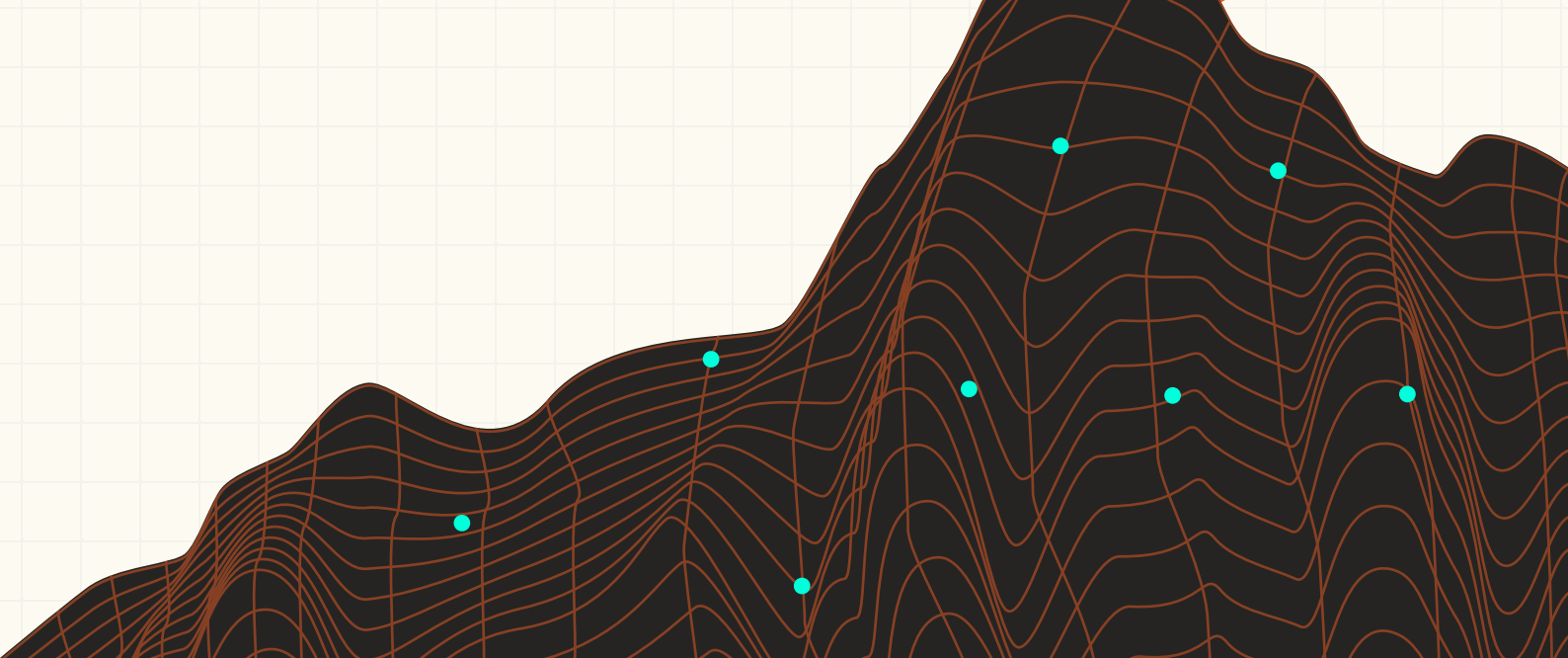
Ready to Start Your AI & ML Journey?

Apply Now