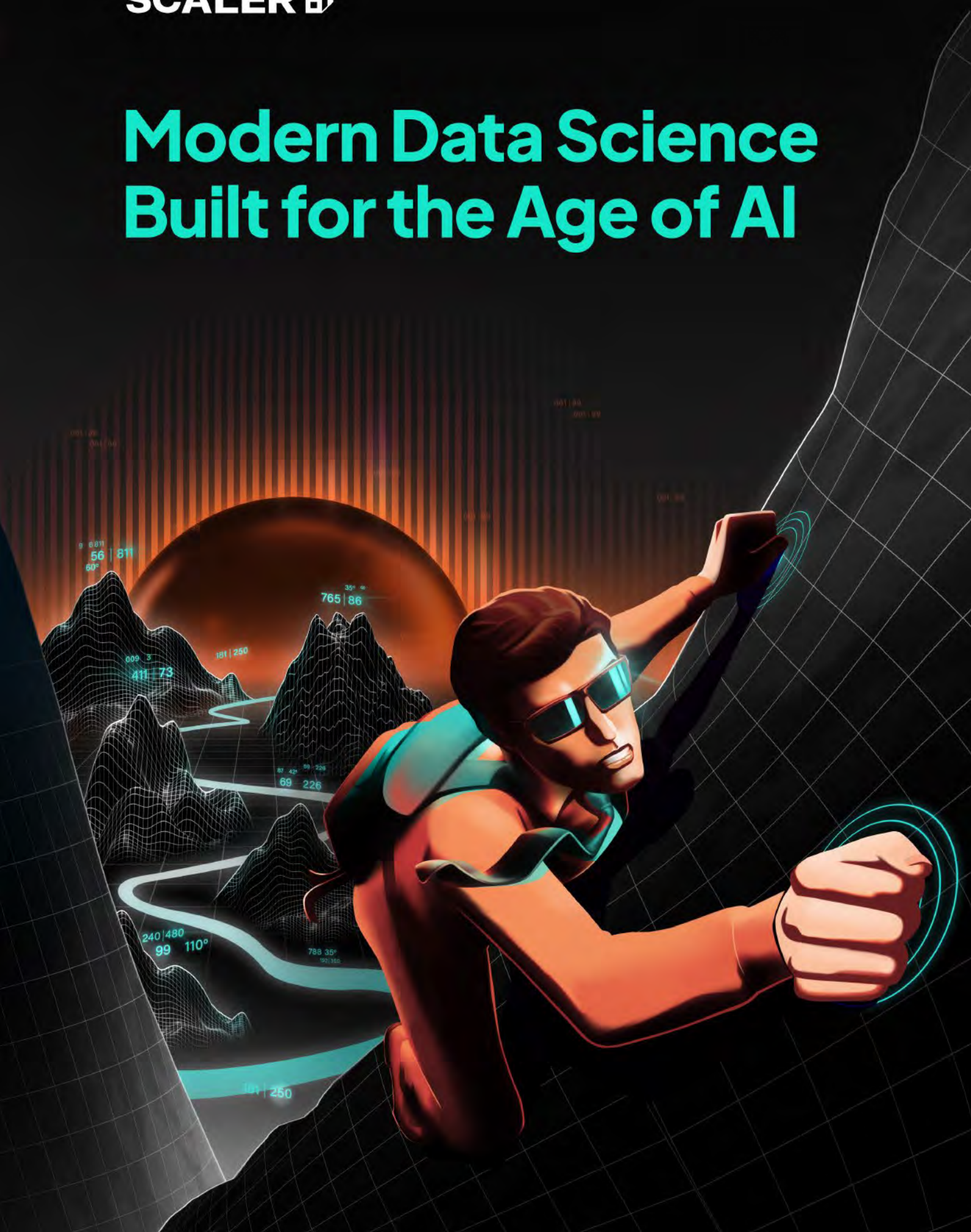


SCALER 

Modern Data Science Built for the Age of AI



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)

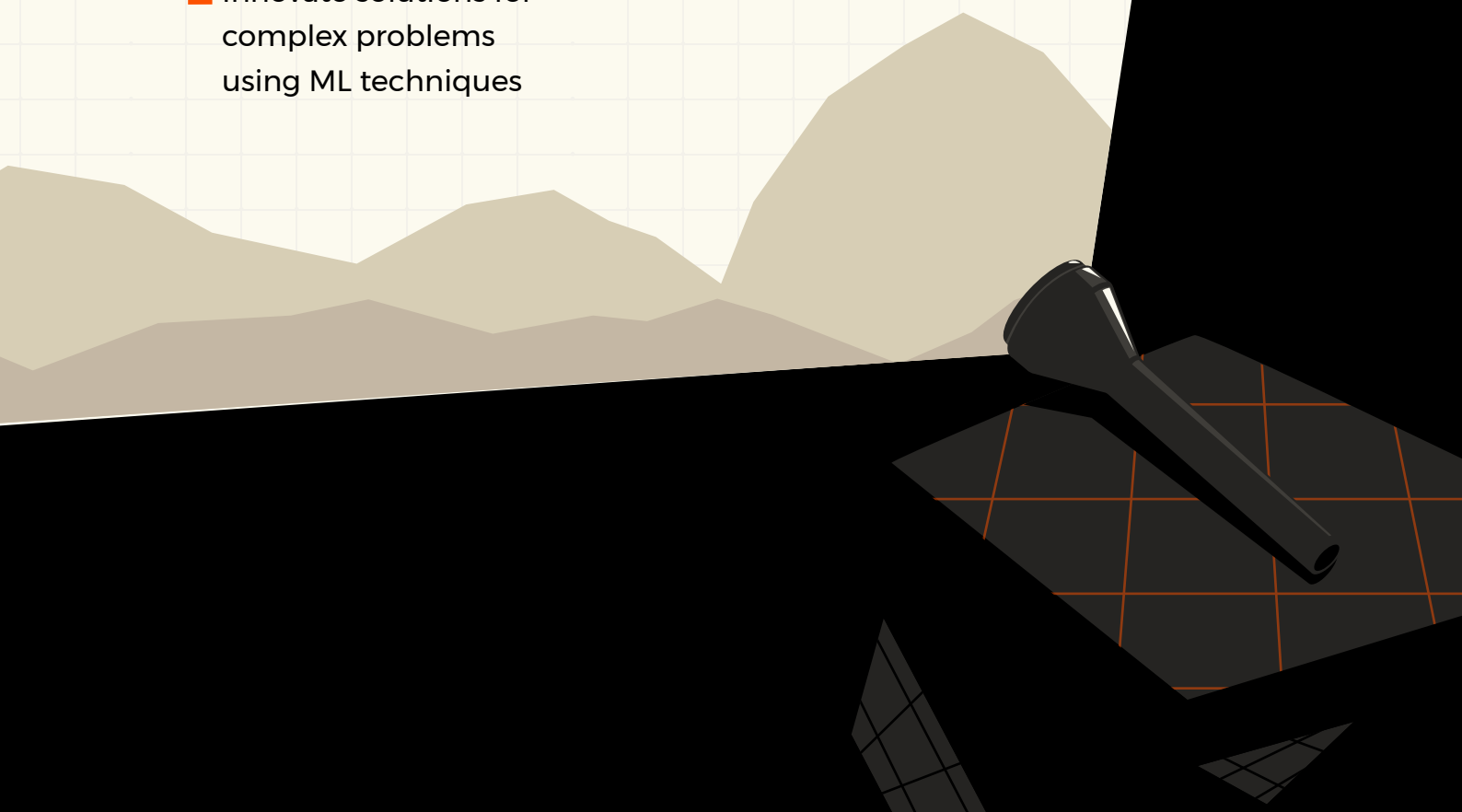
Why learn AI with Scaler?

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 the right AI fundamentals, 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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Learn through experiences 06

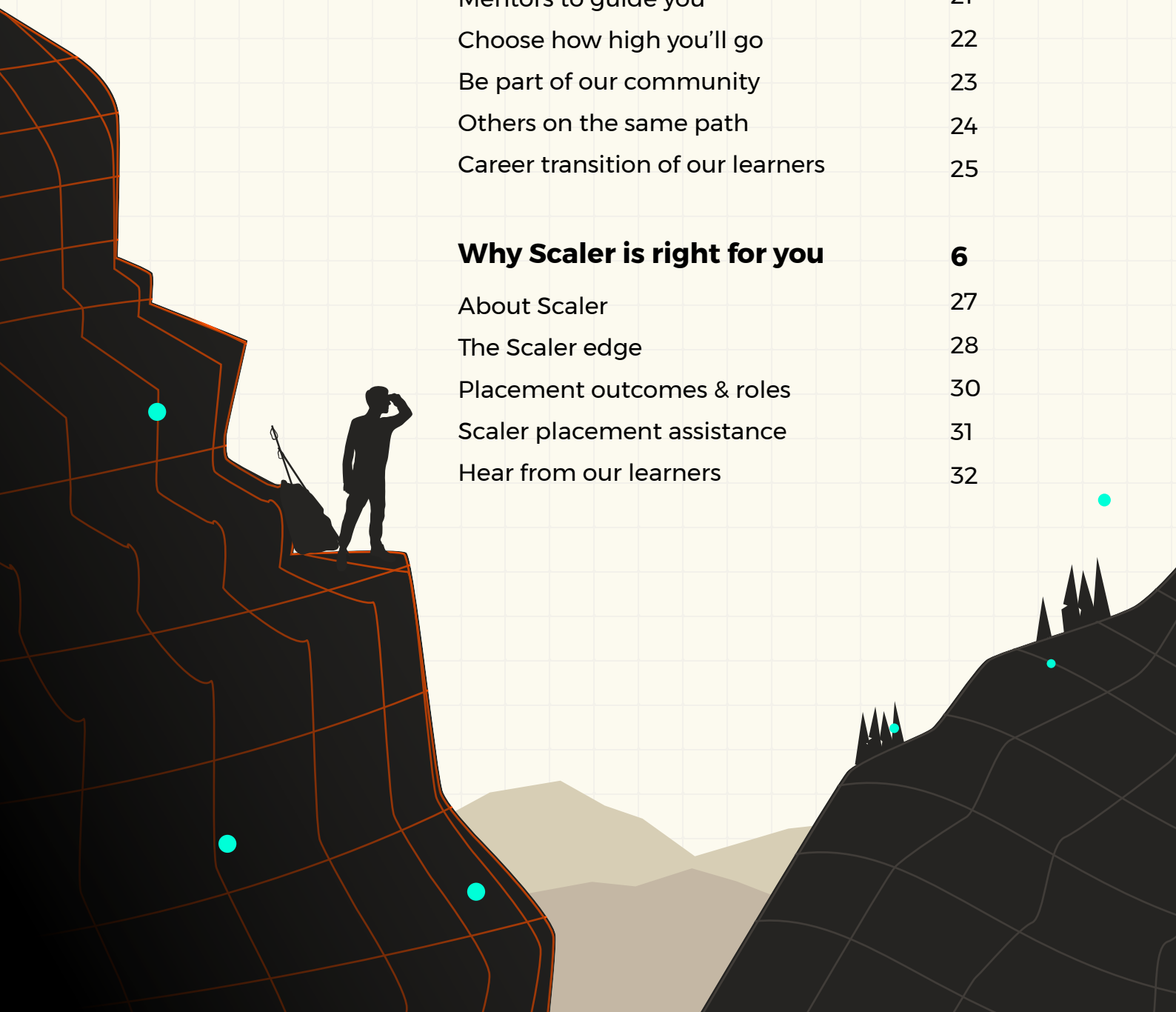
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Course Summary

Program at a glance



Program Name

Modern Data Science
& ML



Certifications

NSDC Certified



Mode of learning

100% Live learning



Eligibility

Freshers, tech and
non-tech professionals



Instructors

Experts from
top companies



Program Duration

20 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



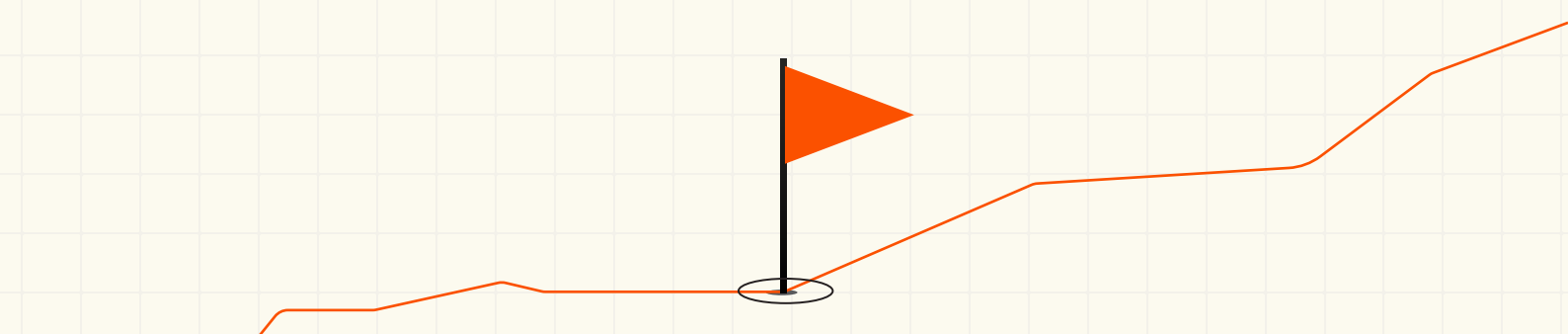
Placement
assistance



Network of
55k+ 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





AI-First Curriculum

**The AI era is rewriting tech roles.
We rebuilt the program for it.**

Every job description in today's world is being rewritten. 66% of leaders say they would not hire professionals who lack AI expertise. The reason is obvious: any repetitive or analytical tasks can now be automated, leaving employees to focus on strategy, creativity, and human-centric skills.

And the software and data professionals who will grow aren't just the ones using AI tools; they're the ones who understand systems deeply enough to know when AI gets it wrong.

That's why we've reimaged every single component of our curriculum from the ground up: fundamentals that form the backbone of any production, combined with the AI-first approach that the industry is already hiring for. Not one at the cost of the other. Because the future belongs to tech professionals who can do and ace at both.

1.3M

New jobs have already been created by AI.

-World Economic Forum

66%

Leaders say that they would not hire professionals who lack expertise in AI.

-Microsoft

71%

Employers prefer professionals with AI skills to experienced ones without.

-Microsoft

80%

Professionals working in tech will be expected to gain AI skills by 2027.

-Gartner



Curriculum Outline

Module (Beginner)

Duration

Data Analytics (Core)

Advanced SQL & AI for Data Professionals 2 Months

Excel & Dashboarding with AI Storytelling 1 Month

Python Foundations + AI Coding Assistants 1 Month

Data to Decisions: Product Analytics with AI 1 Month

Generative AI for Data Analytics & Automation 1 Month

Interview Readiness 1 Month

Advanced Analytics with Python, Pandas & AI Workflows 1 Month

Statistics, Experimentation & AI for Data-Driven Decisions 1 Month

Advanced Product Analytics 1 Month

(Electives)

Domain Analytics 1 Month

Cloud & Data Analytics on AWS 1 Month



Curriculum Outline

Module (Beginner)	Duration
-------------------	----------

Data Science & AI (Core)

Mathematical Foundations for AI	1 Month
Machine Learning with AI Workflows	1 Month

(Electives)

AI for everyone	1.5 Months
Supervised Machine Learning with AI	1 Month
Unsupervised Machine Learning with AI	1 Month
Time Series and Recommender Systems with AI Workflows	1 Month
MLOps & AI Deployment	1 Month
Deep Learning & Neural Networks	1 Month
AI for Computer Vision	1 Month
AI for Natural Language Processing	1 Month
AI Engineering and Agentic AI	1.5 Months

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.

AI Engineering & Agentic AI

Duration: 18 lectures, 6 weeks

Objective:

Build production-grade LLM apps, RAG systems & autonomous AI agents

Projects:

- Domain-specific RAG system with vector search + hallucination guardrails
- Parameter-efficient LLM fine-tuning (LoRA) for enterprise AI assistants
- Multi-tool autonomous agent with MCP + function calling

Generative AI for Data Analytics & Automation

Duration: 12 lectures, 4 weeks

Objective:

Turn GenAI into a core part of the analyst's workflow

Projects:

- AI-powered insights engine for quick commerce ops (Zepto / Blinkit)
- Automated anomaly detection + LLM-driven executive briefs
- Prompt-driven analyst tooling with OpenAI / Gemini APIs



Apply skills business problems

● Domain Analytics

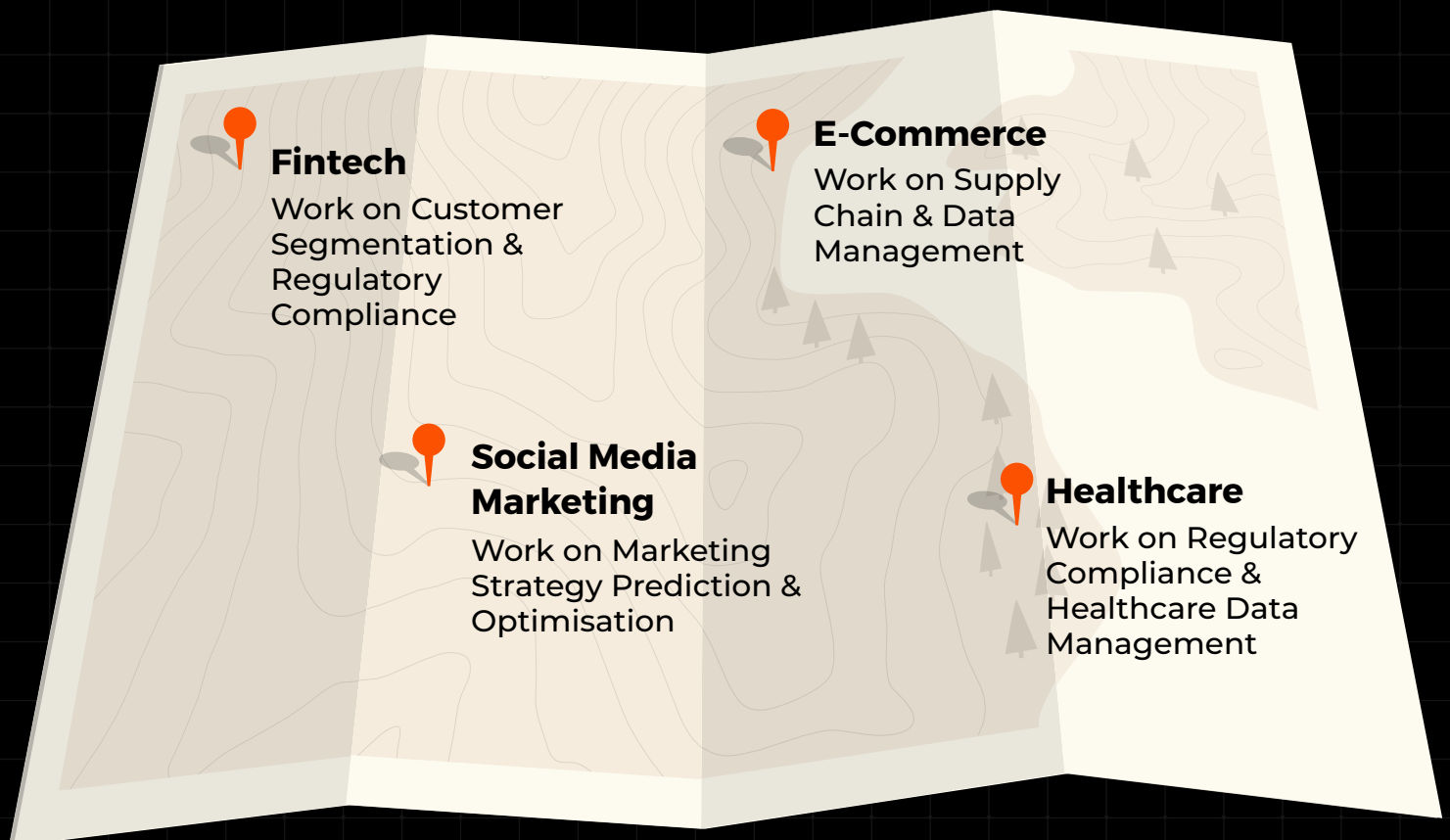
You can get an immersive experience of working in Data Analytics using AI by delving into real-world projects.

🕒 **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:

Project 1: **Swiggy**

Order Intelligence & Business Metrics System

Skills: PostgreSQL, MySQL, AI SQL Assistants (ChatGPT / Gemini), DBeaver, Python (for output validation)

Project 2: **Netflix India**

India Content Performance & Subscriber Insights Dashboard

Skills: Microsoft Excel, Power Query, Tableau / Google Looker Studio, AI Assistants (for narrative generation), Google Sheets

Project 3: **Urban Company**

Operations Analytics

Skills: Python, Pandas, NumPy, Matplotlib, Seaborn, Jupyter Notebooks, AI Coding Assistants (GitHub Copilot / ChatGPT)

Project 4: **PhonePe**

User Funnel, Retention & Feature Adoption Analysis

Skills: Python, Pandas, Seaborn, Matplotlib, SQL, AI Analytics Assistants, Jupyter Notebooks

Project 5: **Zepto / Blinkit**

AI-powered Business Insights Engine for Quick Commerce Operations

Skills: Python, Pandas, OpenAI API / Gemini API, Prompt Engineering, Matplotlib, Jupyter Notebooks, Flask (for basic reporting UI)



● Portfolio Projects

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

Project 6: **Meesho**

A/B Experimentation Platform – Checkout Conversion

Skills: Python, SciPy, Statsmodels, Pandas, Seaborn, PyMC (Bayesian), AI Assistants, Jupyter Notebooks

Project 7: **CRED**

Member Spend Intelligence & Credit Health Analytics Platform

Skills: Python, Pandas, NumPy, Scikit-learn (for scoring), Matplotlib, Seaborn, SQL, AI Coding Assistants, Jupyter Notebooks

Project 8: **Myntra**

Time Sales Intelligence Pipeline on AWS

Skills: AWS S3, AWS Glue, Amazon Athena, AWS QuickSight / Tableau, Python (Boto3), SQL, CloudWatch, AI APIs

Project 9: **Bajaj Finserv / HDFC**

Credit Risk & Loan Default Prediction System

Skills: Python, Scikit-learn, XGBoost, LightGBM, SHAP, imbalanced-learn, Pandas, Flask, Matplotlib, AI Assistants

Project 10: **Nykaa / Mamaearth**

D2C Beauty Brand Customer Intelligence & Segmentation Engine

Skills: Python, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, t-SNE, PCA, AI APIs (for persona generation), Jupyter Notebooks



● Portfolio Projects

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

Project 6: **Blinkit / BigBasket**

Demand Forecasting & Personalised Recommendation System for Quick Commerce

Skills: Python, Facebook Prophet, Scikit-learn, Statsmodels, Surprise Library (for CF), XGBoost, Pandas, Matplotlib, AI Assistants

Project 7: **Razorpay / CRED**

Customer Support Intelligence & Auto-Escalation Engine

Skills: Python, Hugging Face Transformers, BERT / DistilBERT, spaCy, VADER, OpenAI API, Scikit-learn, Pandas, Flask, Matplotlib



● 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

Skills: Data exploration, preprocessing, and visualisation

Module: **Machine Learning**



Gain insights into the factors that influence viewers

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



Your Certificates

From Scaler



Training you to reach the top



Anshuman Singh

Co-Founder, **SCALER** , Ex- [facebook](#)

Anshuman Singh is the Co-Founder of Scaler 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.



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



Naman Bhalla

Ex- [Google](#)

Naman Bhalla is Scaler's finest instructor. He secured global rank 135 at Google's Kickstart Round D, and 37th rank at ACM ICPC Kanpur Regionals, 2019-20. Naman is proficient in Spring, React, Redis, Kafka, and Flask. Currently, he is heading and building Scaler Topics from scratch.



Saurabh Kango

Sr. DS & Analytics Manager-  **meesho**

Saurabh Kango is a Senior Manager, Data Science & Analytics at Meesho, Bengaluru, where he leads AI-powered analytics initiatives helping businesses move beyond static reporting to intelligent, GenAI-driven decision-making.



Shubham Singh

Software Engineer- **Uber**

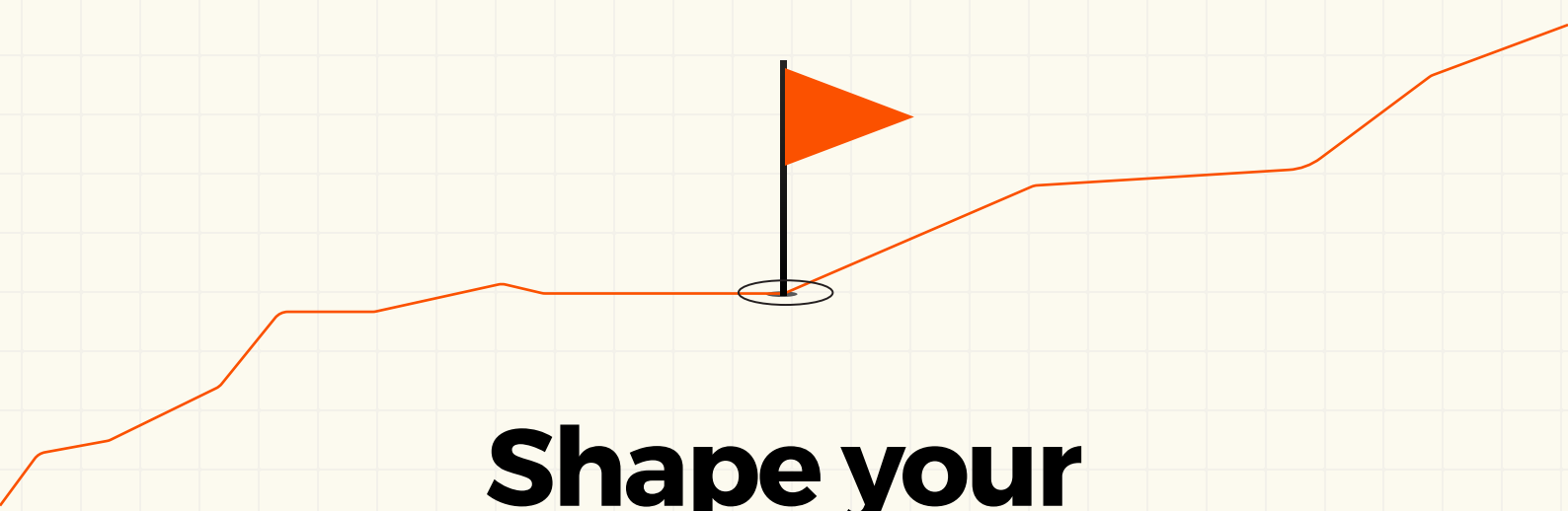
Shubham Singh is a Software Engineer at Uber, where he builds products at scale across global mobility and delivery platforms. He is an ex-Software Engineer at Dream11.



Thanish Batcha

Senior Data Scientist-  **amazon**

Thanish Batcha is a Senior Data Scientist II at Poshmark, where he works on machine learning systems powering one of the world's leading social commerce platforms. He is an ex-Business Research Analyst II at Amazon.



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



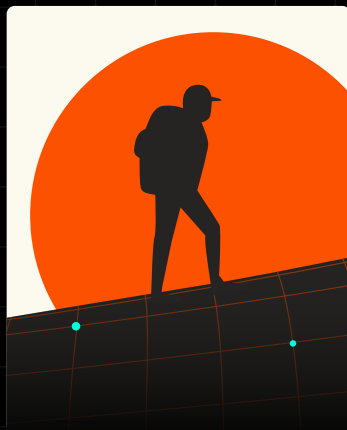


Find your starting point

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)



Beginner

-  Non-coders
-  16-20 months journey



Intermediate

-  0-2 yrs of coding experience
-  14-16 months 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



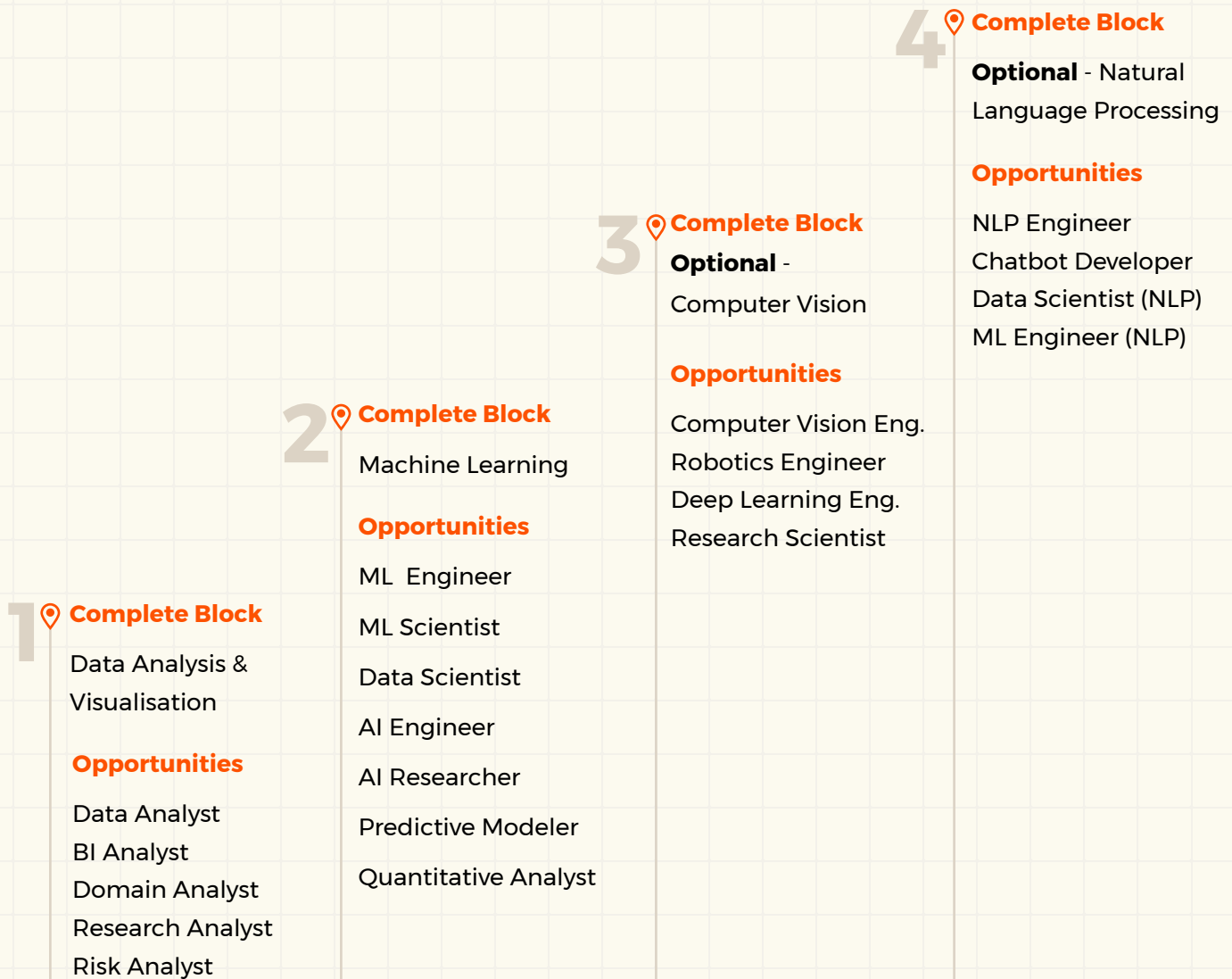
He uses his knowledge of Machine Learning to solve business problems at Microsoft and actively works on independent projects as well.





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 55k+ learners and alumni



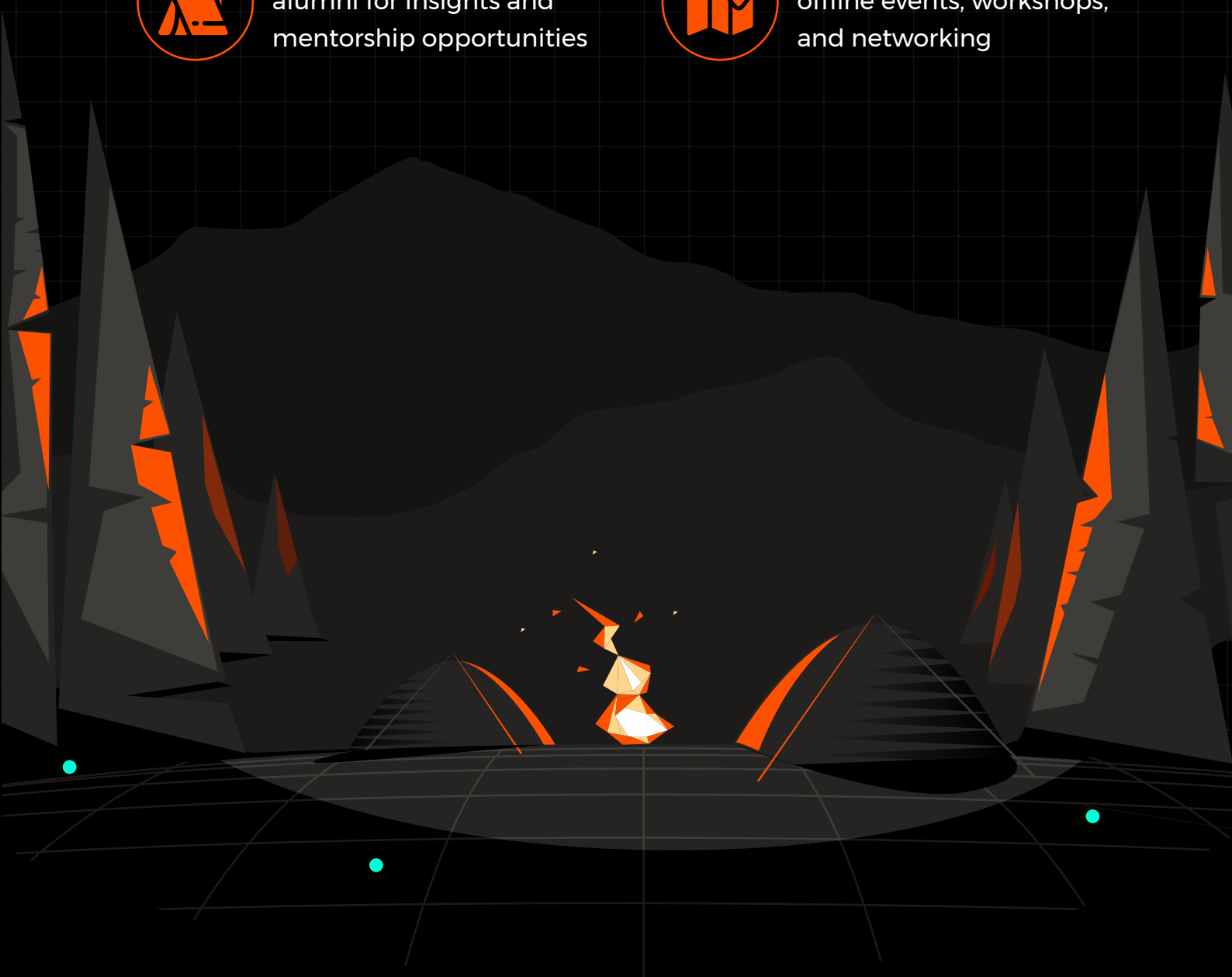
Learn collaboratively with your peers in a dynamic learning environment



Access a network of alumni for insights and mentorship opportunities



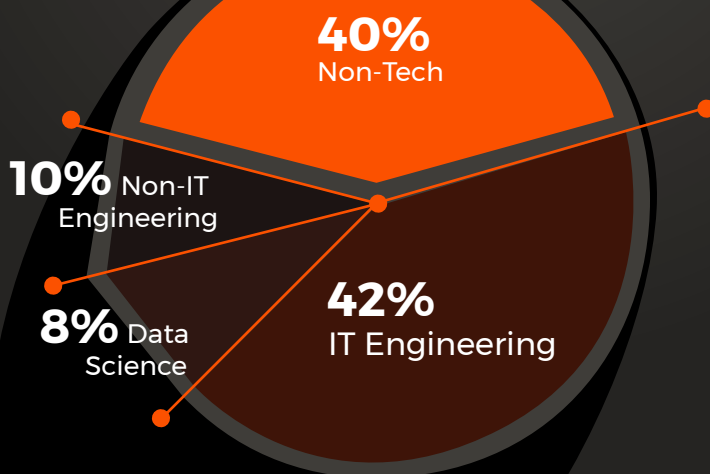
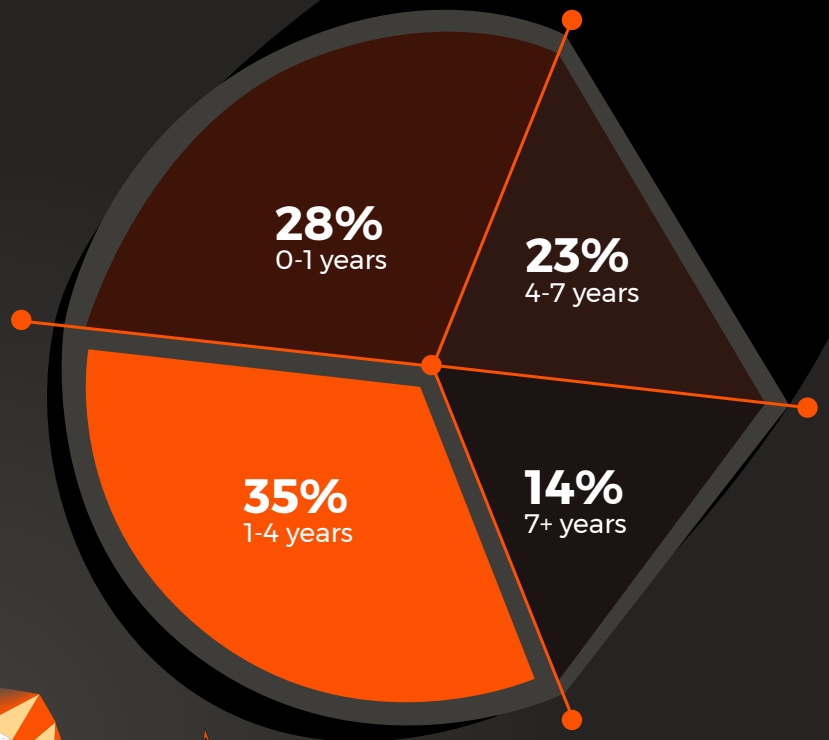
Join Scaler City Clubs for offline events, workshops, and networking





Others on the same path

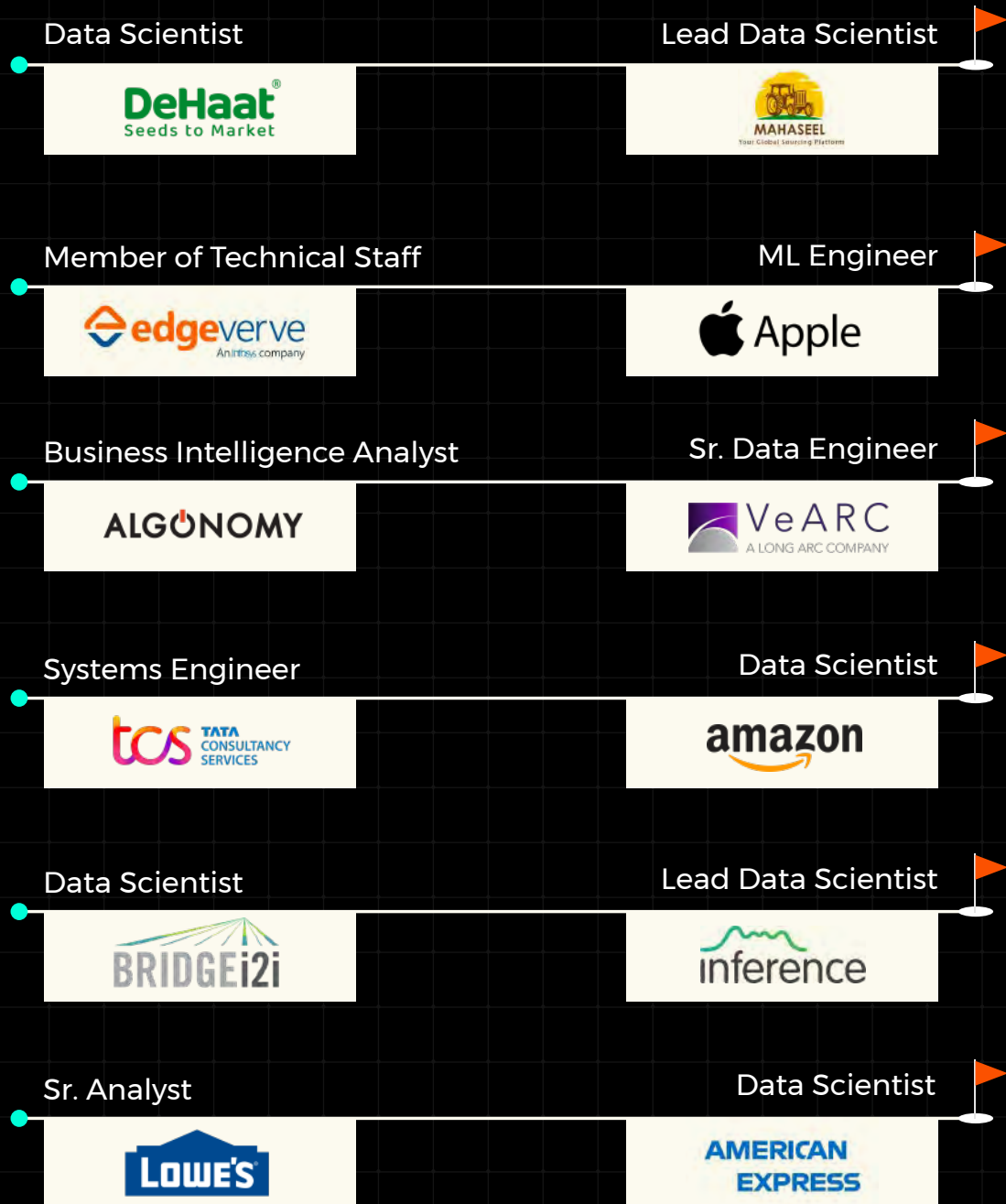
Our learners have
a wide range of
work experience...



...and come
from different
backgrounds.

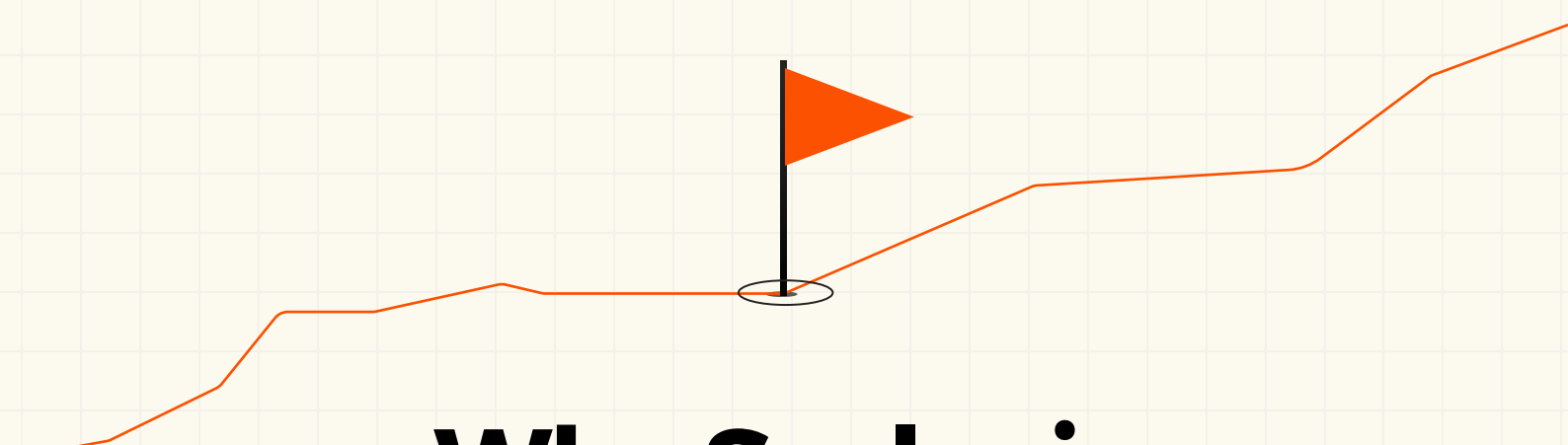


Career transition of our learners



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
- The Scaler edge
- Placement outcomes & roles
- Scaler placement assistance
- Hear from our learners





About Scaler

Transforming careers since 2019



55k+ satisfied learners



Top 1% industry instructors



89.5% success rate

Programs we offer

Online

Modern Software & AI Engineering Program

Modern Data Science & ML with specialisation in AI

Advanced AIML with specialisation in Agentic AI

DevOps, Cloud & AI Platform Engineering

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

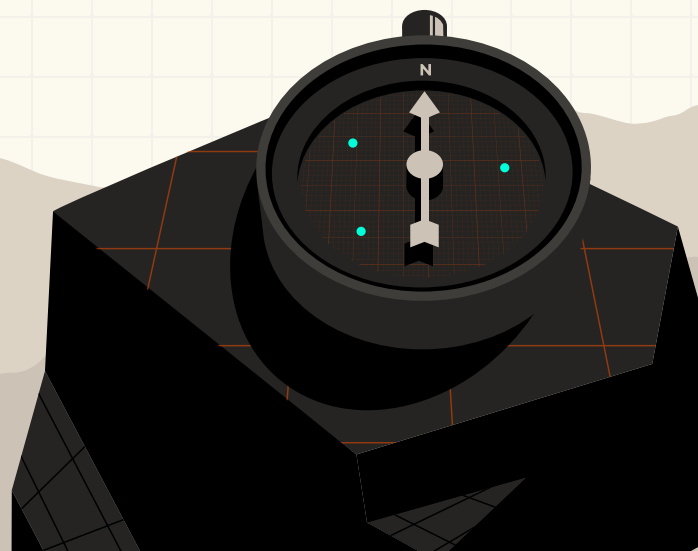
Co-Founder, Flipkart

Rajan Anandan

MD, peak xv
PARTNERS

Vijay Shekhar Sharma

MD, paytm





The Scaler Edge

Every feature is designed with one goal, your success.

From curriculum to mentors, projects, placements, every step is carefully considered with nothing left to chance.

This is what makes Scaler different and gives you an edge.



24x7 AI Companion

Always-on learning buddy that uses contextual help & dialogue based solutioning, blending AI speed with mentor expertise.



Unlimited AI Mock Interviews

Real role-based simulations with unlimited practice anytime, structured to match actual MAANG interview journeys.



AI-powered resume builder

ATS-ready resumes powered by 100K+ real profiles; Scaler learners historically have seen 5x more interview calls.



Taught by Industry Leaders

Learn from on-the-job professionals, not career teachers. Practical insights rated highly by 55k+ learners.



Live Classes with Recording

Interactive live sessions with instant recordings & notes for revision.



Expert Mentor Guidance

1:1 personalized advice from top-firm mentors mapped to your profile and career goals.



Monthly Contests

Module-specific tests tied to job readiness, with unlimited attempts for improvement.



Skill Certifications

Rigorous module-level certifications that prove job-ready skills recruiters trust.



Coding Streak

Daily practice streaks with rewards & streak freeze to help you stay consistent.



Extend into Master's Degree

Scaler credits convert into a globally recognized Master's via Woolf.



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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-Past results do not guarantee future placements.

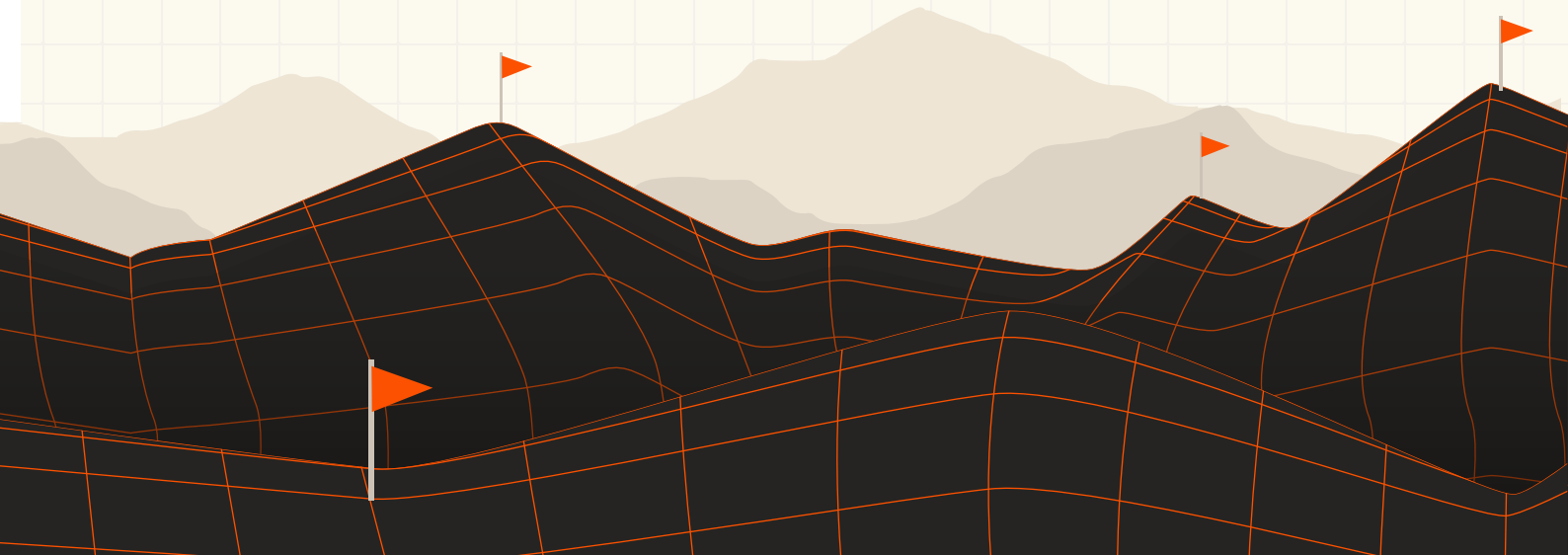
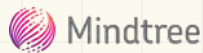
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Scaler Placement Assistance

Through 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



"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](#)

