

Internship Prospectus



Where do some of
India's sharpest
engineers go?



SCAN TO APPLY

Quantitative trading is already competing for elite engineering talent

Official IIT placement records do not publish a 'topper' category. They do show finance - including quantitative finance and high-frequency trading - as a recurring destination within campus recruitment.

WHAT THE RECORD SAYS

This is not a claim that most IIT graduates enter finance. It is evidence that quantitative trading has become a serious, visible engineering career path.

113

Finance-sector offers

IIT Bombay

79

Students placed in finance

IIT Delhi

33

Financial-services firms

IIT Bombay

6%

Financial-services share

IIT Madras

WHY A CSE STUDENT SHOULD CARE

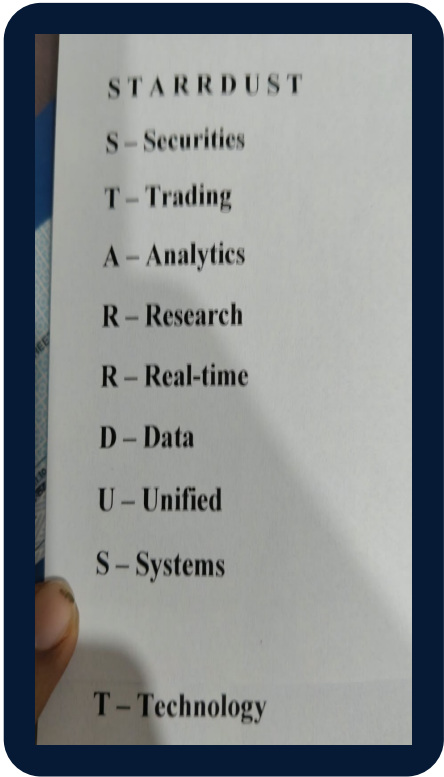
The opportunity is not about arriving with market opinions. It is about bringing algorithms, probability, systems thinking, data engineering and the discipline to test what you build.

Official source data: IIT Bombay, IIT Delhi and IIT Madras placement records.

A proprietary trading firm built as a technology company

Starrdust Private Limited designs, tests and operates systematic trading strategies across Indian equity derivatives and MCX commodities. We trade proprietary capital - not client funds in the traditional broking or advisory model.

FOUNDED	Early 2026
TEAM MODEL	Founder-led and hands-on
BASE	Kolkata, India
MARKETS	Indian equity F&O and MCX commodities



THE NAME IS THE OPERATING MODEL

S Securities	T Trading	A Analytics
R Research	R Real-time	D Data
U Unified	S Systems	T Technology

Nine words, one constraint: research must become reliable data, unified systems and real-time technology.

We got tired of the tools available - so we built our own

WHY WE BUILT IT

The tools available were often broker plug-ins, paid signals or systems shaped by someone else's limits. Starrdust was built for the opposite reason: to own the research, data, infrastructure and execution, and to be accountable to the evidence.

The deeper problem was not simply strategy. Slow infrastructure, manual intervention and platforms designed around someone else's limits created a technology bottleneck. Building the stack ourselves became the only honest response.

OPERATING CONVICTION

**Markets do not
care how you
feel.**

**Your system
should not
either.**

Rules-based execution removes
hesitation, fear, greed and
yesterday's emotional baggage from
today's decision.

WHY NOW

Three reported outcomes:

INDIVIDUAL TRADERS

LOSS

INR 72,243 CR

gross trading loss before transaction costs

PROPRIETARY TRADERS

PROFIT

INR 44,483 CR

gross trading profit before transaction costs

GROSS PROFITS EARNED BY PROPRIETARY TRADERS AND FPIS

99%

came from algo entities

Source: SEBI, Study - Profitability of Individual Traders in the Equity Derivatives Segment (FY25-FY26), August 2026.

Own the stack. Remove the bottlenecks. Own the outcome.

01

We build, we do not buy

Strategies, simulations and operational systems are original engineering - not a signal subscription wired into someone else's black box.

02

Institutional discipline, startup speed

Governance, compliance and risk controls are taken seriously while the team remains small enough for a strong idea to ship quickly.

03

Founder-built and founder-led

The people deciding direction are also hands-on in the technology, so interns are not separated from decisions by layers of management.

04

Kolkata is the point

The firm is built around a deep local tradition of mathematics, physics, economics and technical talent - without treating relocation as the price of serious work.

05

Our own hardware, our own rules

Physical compute removes throttling and metered-cloud anxiety, allowing strategies and data workflows to be iterated aggressively.

06

Close to the action

Co-located infrastructure in India, multi-broker execution and low-latency design reduce avoidable distance between a validated decision and the market.

Full accountability, both ways. If something fails, it is not the vendor's fault. If it works, the credit is ours. That standard runs through research, infrastructure, governance and execution.

Kolkata is not a compromise. It is the point.

THE THESIS

For more than a century, Kolkata has produced exceptional minds in mathematics, physics, economics and literature. The talent pool did not disappear - much of it simply left for Bangalore, Gurgaon, Mumbai or overseas to find serious technical work.

Technology has removed the old assumption that hard engineering must happen only in the country's largest technology hubs. Starrdust is built on the belief that a deep-tech firm can go directly to an underused talent pool and create demanding work where that talent already lives.

BUILD HERE

**Serious
systems.
Real markets.
No relocation
tax.**

TALENT

A deep local tradition of quantitative and technical thinking.

TIMING

Major hubs are expensive and saturated; distributed engineering is normal.

ACCESS

Students can work on hard, consequential systems without leaving home.

What this means for an intern: compete on the quality of your code, reasoning and ownership
- not on whether you can afford to move cities for an opportunity.

Build systems. Apply computer science. Learn by shipping.

You do not need prior trading or finance knowledge. You begin with engineering fundamentals and learn the market context required to build responsibly.

WHAT YOU BUILD

01

Strategy research

Simulation, systematic strategies and risk controls.

02

Data engineering

Historical and real-time pipelines, normalization and queries.

03

Trading systems

Execution, position state, risk checks and live monitoring.

04

ML research

Regime detection, meta-labeling and forecasting validation.

WHERE CSE SHOWS UP

Backtesting engines

Algorithms + performance

Market-data pipelines

Data modeling + ETL

Live dashboards

APIs + systems design

Execution and risk

Concurrency + low latency

ML research tooling

Features + statistics + validation

Infrastructure hardening

Networks + reliability + security

WHAT YOU LEARN HANDS-ON

01

Research thinking

Hypothesis → test → validation

02

Data discipline

Clean → check → query

03

Systems engineering

State → risk → failure path

04

Operational tooling

Monitor → reconcile → debug

05

Professional ownership

Scope → review → revise

No finance knowledge required. Explain what you built, why it is correct, where it can fail and how you tested it.

Six months of real work, transparent terms and measurable growth

STRUCTURE

Six-month fixed-term training internship; remote and designed to run alongside studies.

COMPENSATION

Unpaid - no stipend. A Pre-Placement Offer remains available purely on demonstrated performance.

ACCOUNTABILITY

No clock-in theatre. Output, test evidence, code quality, learning speed and reliability are what count.

MENTORSHIP

A reporting manager scopes work, reviews reasoning and code, gives feedback and expects a stronger revision.

TRUST

Production-adjacent work carries genuine confidentiality, IP ownership and data-handling obligations.

COMPLETION

Formal experience/completion certificate plus a concrete body of real-world engineering learning to explain.

INTERN TRACKS

- **Quant + Backtesting**
- **Data Engineering**
- **Full-Stack + Dashboard**
- **ML + Research**

Open tracks and position counts may vary by recruitment cycle.

Direct access, sharp feedback and a real path forward

Founder-led Hands-on Engineering-first

The founding team is hands-on in the technology. Interns work close to the people making engineering, research and operating decisions.

QUANTITATIVE DEPTH

The research team includes PhD scholars in Mathematics and Physics, bringing academic rigor in stochastic processes, statistical inference and applied modeling.

WHAT YOU GET

- **People who push back**

You are expected to defend ideas, improve code and respond well when a sharper argument wins.

- **Hands-on work**

You build, test, document and revise systems or research tools; you do not merely shadow meetings or complete participation exercises.

- **Kolkata without compromise**

Serious deep-tech work can be built from the city's own mathematical and technical talent pool.

CAREER LADDER

Backtesting engineer → Data / quant researcher → Own real strategy research

Senior mentorship at every step

Strong foundations first. Systems depth is an advantage.

NON-NEGOTIABLE MINDSET

Willingness to learn new things is a must.

FINANCE KNOWLEDGE IS NOT NECESSARY

MUST-HAVE FOUNDATIONS

01

Object Oriented Programming

Classes, objects, interfaces and composition; write structured code beyond a single script.

02

Basic Database Handling

Store, query and update structured data; understand schemas, keys and reliable access.

ADDITIONAL ADVANTAGE

01

Package / Codebase Handling

Navigate modules, dependencies and an existing repository.

02

Low Latency System Design in any field

Any experience with timing, concurrency, bottlenecks or deterministic behavior.

03

Temporal Logic Actions (TLA)

Exposure to describing system states, transitions and correctness.

EVIDENCE ADVANTAGE

GitHub projects give a candidate an additional advantage.

EXTRA BROWNIE POINTS

Machine Learning Model Implementations

If you look at code and think 'I can do this better,' talk to us

WHO SHOULD APPLY

CSE undergraduates and students from IT, Data Science or ECE with a strong CS interest; people with programming fundamentals, technical curiosity and the maturity to learn through code review.

Bring evidence: projects, code, GitHub work or a technically honest explanation of something you built and what failed along the way.

APPLICATION

Apply for the Starrdust internship

Scan the QR code or visit apply.starrdust.co.in/internship to submit your application. Recruitment dates and open tracks are announced for each cycle.

www.starrdust.co.in

Registered office: 32, Chowringhee Road,
OM Tower, 7th Floor, Kolkata - 700071

SCAN TO APPLY



APPLICATION FORM

Build something that has to be correct. Bring curiosity, evidence and the willingness to have your ideas challenged by people who care about the result.