Training Notification Form, IIT Delhi

Company Overview

Name:	Tower Research Capital
Website:	https://www.tower-research.com
Company Type:	Other (HFT)
Description:	Tower Research Capital India Pvt. Ltd is a subsidiary of Tower Research Capital LLC, which is a leader in the thriving field of high-frequency trading. Working at Tower means collaborating with bright minds from around the world to create cutting edge-technology and tackle challenging technical problems. We're engineers and pioneers who use scientific principles to identify market opportunities and who think Mondays look better in jeans and a t-shirt than in a suit and tie.

Project Details

Designation:	Quantitative Research and Development Intern, North Moore
Type:	Other (Quant)
Location:	London
Project Details:	Location: London, UK Duration: 8-10 weeks

Tower Research Capital is a global leader in the field of quantitative and high-frequency trading. We build best-in-class technology, and deploy a range of automated algorithmic strategies on asset classes and markets across the globe.

This internship opportunity is with North Moore, one of the largest and oldest trading teams within Tower. We have a long track record of successfully researching, developing and deploying algorithmic trading strategies targeting a wide variety of electronically-tradable assets and markets. We use cutting-edge hardware and software technologies, and the latest ideas from the world of machine learning and statistical modeling. Working with us means collaborating with bright minds from around the world to create market-leading technology and tackle challenging technical problems. We're a fast-paced yet relaxed work environment, offering fantastic opportunities for professional and personal growth and development.

Responsibilities

As a Quantitative Research and Development intern, you will actively work on expanding and improving our trading on markets around the world. You will draw upon your computer science, mathematical, and analytical abilities to expand the capabilities of our infrastructure, improve our existing strategies, and develop new quantitative models. Typical internship projects include:

- Creating tools and libraries for managing, processing and analyzing historical and live market data
- Helping improve the design, implementation and performance of our high-

frequency trading platform, which collects live market data from and disseminates orders to exchanges around the world
- Improving our trading simulations to allow for accurate backtest of strategies
- Building risk-management and performance-tracking tools
- Researching novel machine learning algorithms and techniques, and applying them to our domain.

Qualifications

You are talented, driven, and hungry for a challenge. You are keen to expand your horizons by getting out of your comfort zone and learning new things. You are able to apply what you have learned to develop creative and robust solutions to problems. You want to go toe-to-toe with the best, and refuse to settle for second place.

- A strong background in data structures, algorithms, and programming in C++ and/or Python
- Knowledge of statistical inference and machine learning algorithms a plus
- Working knowledge of Linux, shell scripting, and basic computer architecture
- Strong problem-solving abilities
- Self-motivated, able to find answers but also ask the next questions
- Able to manage multiple tasks in a fast-paced environment
- Good verbal and written communication skills in English

Benefits

Tower offers challenges and rewards rivaling those of any Wall Street or tech firm. Our relaxed and friendly workforce, open and cubicle-free workplace, and well-stocked kitchens reflect the premium the firm places on quality of life. Benefits include:

- Competitive stipend and sign-on bonus
- Accommodation for the complete duration of the internship
- Return airfare and visa assistance for London
- Breakfast and lunch on work days
- Wellness benefits
- Access to learning and development programs
- Engagement with seniors to learn beyond project requirements

Tower Research Capital is an equal opportunity employer.

Stipend Details

Stipend:	12,500 GBP Per Month
Accommodation:	Yes
Travel Expenses:	Yes
Perks / Bonus:	Stipend : GBP 12.5K per month Sign on : GBP 7.5K Duration : 2 months Internship CTC : approx. GBP 50K per intern (includes stipend, signing bonus & all benefits - ~INR 53,71,186) Competitive stipend and sign-on bonus Accommodation for the complete duration of the internship Return airfare and visa assistance for London Exciting networking and social events (past events include Happy Hours, Shows, F1 arcade, Cricket match events) Breakfast and lunch on work days

Wellness benefits
Access to learning and development programs
Engagement with seniors to learn beyond project requirements

Selection Process

Resume Shortlist:	Yes
Written Test:	No
Online Test:	Yes
Group Discussion:	No
Personal Interview:	Yes
No. of Offers:	1
Selection Process:	Resume Screening (CGPA 8.5 and above) > HackerRank test > Pre-Placement Talk > Interview 1 > Interview 2

Eligibility

Diversity Recruiting:	No
Eligible Years:	Graduating in 2025 (Pre-Final Year Students) - B.Tech / Dual / Master's
Eligible Departments:	B.Tech in Computer Science & Engineering, B.Tech in Electrical Engineering, B.Tech in Mathematics & Computing, B.Tech and M.Tech in Computer Science & Engineering, B.Tech and M.Tech in Mathematics & Computing