

# Internship Notification Form, IIT Delhi

## About Organisation

<b>Name of Company:</b>	Tower Research Capital
<b>Date of Establishment:</b>	1998-01-01
<b>Number of Employees:</b>	1100
<b>Social Media Page Link:</b>	<a href="https://www.linkedin.com/company/tower-research-capital/">https://www.linkedin.com/company/tower-research-capital/</a>
<b>Website:</b>	<a href="https://www.tower-research.com/">https://www.tower-research.com/</a>
<b>Type of Organization:</b>	Private
<b>Nature of Business:</b>	Finance & Consulting

## Internship Profile

<b>Job Title:</b>	Quantitative Research & Development Intern, North Moore
<b>Job Description:</b>	Location: London, UK Duration: Summer (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

- Building 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 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.

**Minimum No. of Hires:**

1

**Expected No. of Hires:**

2

**Location(s)/Place of Posting/Online:**

London, England

**Skillset:**

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

<b>Minimum CGPA:</b>	8.0
<b>Students with backlog eligible:</b>	No

## Selection Process

<b>Resume Shortlist:</b>	No
<b>Mode of Selection:</b>	Virtual
<b>Resume shortlisting before test?:</b>	Yes
<b>Test:</b>	Yes
<b>Mode of Test:</b>	Online
<b>Test duration (minutes):</b>	60
<b>Aptitude/Psycometric:</b>	No
<b>Technical:</b>	Yes
<b>Group Discussion:</b>	No
<b>Personal Interview:</b>	No
<b>Technical Round:</b>	Yes
<b>HR Round:</b>	No
<b>Medical Test:</b>	No

## Eligible Academic Programs

<b>Diversity Recruiting:</b>	No
<b>Eligible Years:</b>	Graduating in 2026 (Pre-Final Year Students) - B.Tech / Dual / Master's
<b>Eligible Departments:</b>	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

## Stipend Details

<b>Stipend (per month) (In GBP Per Month):</b>	12,500 GBP Per Month
<b>Accommodation:</b>	Accommodation for the duration of the internship + airfare to and from internship

<b>Any other perks/ benefits/ components:</b>	Visa assistance, breakfast/lunch on work days, wellness benefits, learning & development programs, engagement with seniors. Anticipated total cost: ~50K GBP.
<b>Provision of PPO based on performance?</b>	Yes
<b>Tentative CTC for PPO select:</b>	NA GBP Per Annum

## Others

<b>Medical Requirements:</b>	none
<b>Other Requirements:</b>	none