

# Training Notification Form, IIT Delhi

## Company Overview

**Name:** Citadel Securities

**Website:** <https://www.citadelsecurities.com/>

**Company Type:** Finance

**Description:** At Citadel Securities, our mission is to be the most successful investment team in the world. Quantitative Researchers play a key role in this mission by developing next-generation models and trading approaches for a range of investment strategies. You'll get to challenge the impossible in quantitative research by applying sophisticated and complex statistical techniques to financial markets, some of the most complex data sets in the world.

## Project Details

**Designation:** Quantitative Research Analyst - Intern

**Type:** Finance

**Location:** London, Singapore

**Project Details:** Our mission is to be the most successful investment team in the world. Quantitative Researcher Analysts play a key role in this mission by developing next-generation models and trading approaches for a range of investment strategies. You'll get to challenge the impossible in quantitative research by applying sophisticated and complex statistical techniques to financial markets, some of the most complex data sets in the world.

As an intern, you'll get to challenge the impossible in research through a 10+ week program that will allow you to collaborate and connect with senior team members. In addition, you'll get the opportunity to network and socialize with peers throughout the internship.

### Your Objectives

- Conceptualize valuation strategies, develop and continuously improve upon mathematical models, and help translate algorithms into code
- Back test and implement trading models and signals in a live trading environment
- Use unconventional data sources to drive innovation
- Conduct research and statistical analysis to build and refine monetization systems for trading signals

### Your Skills & Talents

- Bachelors or Masters degree in Mathematics, Statistics, Physics, Computer Science, or another highly quantitative field
- Strong knowledge of probability and statistics (e.g., machine learning, time-series analysis, pattern recognition, NLP)
- Prior experience working in a data driven research environment
- Experience with NoSQL databases (e.g., MongoDB)
- Experience with distributed computing using MapReduce
- Experience with translating mathematical models and algorithms into code

- Experience with translating mathematical models and algorithms into code (Python, R or C++)
- Independent research experience
- Ability to manage multiple tasks and thrive in a fast-paced team environment
- Excellent analytical skills, with strong attention to detail
- Strong written and verbal communication skills

## Stipend Details

<b>Stipend:</b>	12,500 GBP Per Month
<b>Accommodation:</b>	Yes
<b>Travel Expenses:</b>	Yes
<b>Perks / Bonus:</b>	Attractive sign-on bonus Regional internship offsite Free catered breakfast and lunch 24/7 stocked pantry Health benefits

## Selection Process

<b>Resume Shortlist:</b>	Yes
<b>Written Test:</b>	No
<b>Online Test:</b>	No
<b>Group Discussion:</b>	No
<b>Personal Interview:</b>	Yes
<b>No. of Offers:</b>	2
<b>Selection Process:</b>	1. Apply online to our Asia QR Intern requisition (will be considered for London location too) 2. CV Screening 3. Shortlisted profiles will attend up to 2 virtual interviews

## Eligibility

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

