

# Job Notification Form, IIT Delhi

## Company Overview

**Name:** Graviton Research Capital LLP

**Website:** [www.gravitontrading.com](http://www.gravitontrading.com)

**Company Type:** MNC (Indian Origin)

**Description:** Graviton Research Capital LLP is a proprietary trading firm founded by alumnus of IIT Delhi in 2014 and focused on algorithmic trading across asset classes internationally. Since inception the company has grown steadily and currently trades across global markets with significant market share.

We strive for excellence in financial markets' research. Be it back-testing infrastructure or building new strategies, we employ some of the most advanced and sophisticated techniques to identify and profit from market inefficiencies. Pursuit of complete automation of trading to ensure large scalable processes and systems drives us. Using a gamut of concepts and techniques ranging from pattern recognition to statistical inference, We analyse terabytes of data to come up with ideas which help us identify pricing anomalies in financial markets.

The big question is whether understanding the certain market dynamics is a key factor in making them forecastable to a certain degree. We believe the answer is Yes! The focus at Graviton, this remains to "understand" markets better to profit from them!

We bring the best of both worlds , a highly lucrative career in the financial industry with the openness ,casual work culture and room to work on complex technical challenges common in cutting edge technology firms

## Job Details

**Designation:** Software Engineer

**Type:** Core (Technical)

**Place of Posting:** 2

**Job Details:** As a Software Engineer with Graviton your responsibilities will include:

- \* Designing and implementing a high-frequency automated trading system, that trades on multiple exchanges
- \* Building live reporting and administration tools for the trading system
- \* Performance optimization and improving the overall latency of systems, through algorithm research and using cutting edge tools and techniques
- \* End-to-end ownership of modules, including designing, development, deployment and support

The ideal requirements for our candidates are:

- \* A degree in Computer Science
- \* Experience with C/C++ and object-oriented programming
- \* Expertise in algorithms and data structures
- \* Excellent problem solving skills

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\* Strong communication skills

\* A working knowledge of Linux systems

Any of the following is a plus:

\* A good understanding of TCP/IP and Ethernet

\* Knowledge of any other programming language e.g. Java, Scala, Python, bash, Lisp, etc.

\* Familiarity with parallel programming models and parallel algorithms

\* Experience with big data environments e.g. Hadoop, Spark etc.

#### Benefits

Fully paid international vacation every year

Top Class - Health Cover for full family

Monthly team parties

Cab reimbursement for office travel

Company paid Gym

Catered Breakfast and Lunches

**Joining By:** July 15

## Salary Details

**CTC:** 7200000 INR Per Annum

**Gross:** 4700000 INR Per Annum

**CTC Breakup:** Signing Bonus : 2,00,000/-  
Base Salary : 30,00,000/-  
Minimum Guaranteed Bonus for the first 2 years is 40,00,000/- and paid as detailed below

Minimum Guaranteed Bonus for Year 1 - 15,00,000/-

Minimum Guaranteed Bonus for year 2 - 25,00,000/-

This is a minimum guaranteed bonus as detailed above for each respective year with a potential to earn more for exceptional performance

All Bonuses are paid prorata based on the date of joining within a financial year

**Perks / Bonus:** International team outing, Monthly after work parties, Catered breakfast and lunch, Fully equipped kitchen, Gym membership, 24 days paid vacation

## Selection Process

**Resume Shortlist:** Yes

**Written Test:** Yes

**Online Test:** No

**Group Discussion:** No

<b>Medical Test:</b>	No
<b>Personal Interview:</b>	Yes
<b>No. of Rounds:</b>	3-4
<b>No. of Offers:</b>	2
<b>Minimum CGPA:</b>	7

## Eligibility

**Recruiting PHDs:** No

**Eligible Departments:** B.Tech in Computer Science & Engineering, B.Tech and M.Tech in Computer Science & Engineering, B.Tech in Mathematics & Computing, B.Tech and M.Tech in Mathematics & Computing, B.Tech in Electrical Engineering, B.Tech in Textile Engineering and M.Tech in Computer Science & Engineering, B.Tech in Chemical Engineering and M.Tech in Computer Science & Engineering, B.Tech in Production & Industrial Engineering and M.Tech in Computer Science & Engineering, B.Tech in Engineering Physics and M.Tech in Computer Science & Engineering, B.Tech in Mechanical Engineering and M.Tech in Computer Science & Engineering, B.Tech in Electrical Engineering (Power and Automation)