

Job Notification Form, IIT Delhi

Company Overview

Name: Plutus Research Private Limited

Website: <http://www.plutusresearch.com>

Company Type: Private Sector

Startup: Yes

Year of Incorporation: 2017

Description: Plutus Research is an algorithmic trading firm with sophisticated trading algorithms built on advanced mathematical techniques at its heart. We specialize in developing these automated trading strategies based on a continuous research being done drawing from the concepts of machine learning, financial engineering and derivatives pricing theory.

With our team of quant traders and software engineers continuously striving to push themselves, we are one of the fastest growing high frequency trading firm in India and have already established ourselves as a leading player with significant market share in the Indian cash and derivatives markets in just over two years of our establishment.

Job Details

Designation: Quantitative Researcher

Type: Core (Technical)

Place of Posting: Bangalore

Job Details: Role: Quantitative Researcher

- The role will involve significant amounts of research accompanied by rigorous testing of models, while also keeping an eye on the firm's current strategies and their performance.

- Candidates are expected to have a research-like mindset and collaborative attitude to be able to try multiple ideas without getting dejected if they fail.

Responsibilities :

- Research and development of trading strategies via analysis of market data

- Research of potential alpha signals

- Research and development of various Machine Learning models to generate alpha

- Analysis of datasets to generate descriptive statistics and propose potential

- Analysis of datasets to generate descriptive statistics and propose potential applications of data
- Developing new applications to assist traders in efficiently operating and monitoring trading strategies
- Working closely with quantitative traders in Bangalore to develop analytics, analyze market data sets, and troubleshoot trading issues.
- Writing highly latency-sensitive and scalable code that will process large amounts of data.
- Developing systems for analyzing and visualizing huge datasets
- Research on new technologies for improved data management and efficient retrieval

Qualifications :

- Excellent knowledge of C++ and python
- Strong in mathematics and should be interested in applied mathematical fields like Machine Learning, Statistical Methods, Filtering, and Signal Processing
- Excellent analytical skills and very good attention to detail
- Good understanding of Object Oriented Programming concepts and C++
- Basic knowledge of financial derivatives is a plus
- Knowledge of shell scripting is a plus
- Experience with open source visualization tools is a plus

Joining By: July 1

Salary Details

CTC:	3200000 INR Per Annum
Gross:	3200000 INR Per Annum
CTC Breakup:	The annual compensation will constitute of three components: 1. Fixed Base salary of 24 lakhs per annum 2. Fixed Bonus of 8 lakhs per annum 3. Performance Based Bonus

Selection Process

Resume Shortlist:	Yes
Written Test:	Yes
Online Test:	Yes
Group	No

Discussion:

Medical Test: No

Personal Interview: Yes

No. of Rounds: 3

No. of Offers: 1

Minimum CGPA: 7.5

Eligibility

Recruiting PHDs: No

Eligible Departments: B.Tech and M.Tech in Computer Science & Engineering, B.Tech in Computer Science & Engineering, B.Tech in Electrical Engineering, B.Tech in Electrical Engineering (Power and Automation), B.Tech in Mathematics & Computing, B.Tech and M.Tech in Mathematics & Computing, 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