

Job Notification Form, IIT Delhi

Company Overview

Name:	NK Securities Research
Website:	https://www.nksecurities.com/
Company Type:	Core (Technical)
Description:	NK Securities Research is a leading proprietary trading firm that leverages cutting edge technology and sophisticated algorithms to trade the financial markets. Founded in 2011, we have gained invaluable experience in the field of High Frequency Trading across different asset classes.

Job Details

Designation:	Hardware Researcher
Type:	Core (Technical)
Place of Posting:	Gurugram
Job Details:	<p>NK Securities Research is a leading financial firm that leverages cutting edge technology and sophisticated algorithms to trade the financial markets. Founded in 2011, we have gained invaluable experience in the field of High Frequency Trading across different asset classes.</p>

We value innovation, entrepreneurial zeal, creativity, and a can-do attitude, reflecting the startup culture we are cultivating. At NK Securities Research, we are committed to fostering a collaborative and innovative work environment. We believe in the power of team learning and have a long-term vision for our Research and Development efforts.

As a Hardware Researcher / Systems Engineer, your primary responsibilities will encompass:

- Linux Performance Monitoring Tools
Administer, monitor, and deploy performance tracking utilities to ensure that the HPC is working efficiently. Apply optimisation at OS and hardware level to maximize performance.
- Hardware Optimization
Push the limits by overclocking memory and processors to achieve peak performance while ensuring stability. Implement optimizations for low-latency networks and storage to boost overall throughput.
- BIOS, Kernel, and OS Tuning:
Fine-tune and optimize BIOS settings, kernel parameters, and operating systems to extract maximum hardware performance.
- Development of High-Performance Computing Clusters:
Lead the design and construction of in-house high-performance computing clusters. Explore and evaluate high-bandwidth networks and storage solutions to

amplify cluster performance.

- Research and Development of Bleeding-Edge Hardware:

Drive initiatives in developing and researching state-of-the-art hardware components. Remain abreast of the latest technological advancements, contributing innovative hardware solutions.

Additional Responsibilities:

- Collaborate cross-functionally with software developers, and researchers.
- Conduct comprehensive performance analysis, benchmarks, and hardware system testing.
- Document findings, designs, and optimization strategies in clear and concise reports.
- Stay updated on industry trends, emerging technologies, and hardware development best practices.

Qualifications:

Our ideal candidate has:

- A degree in Computer Science, Mathematics, or Engineering from top-tier institutions.
- Working knowledge of C++ and python.
- Strong background in linux and shell scripting.
- Keen interest in problem solving and figuring out how things work
- Keen interest in bleeding edge hardware, new technologies, and hardware tuning.
- Good communication skills
- A work ethic that emphasizes both discipline and consistency.
- A genuine interest in research and development

Benefits:

At NK Securities Research, we believe in rewarding outstanding performance. We offer compensation above industry standards, with a handsome variable bonus for exceptional performers. We provide a platform for continuous growth, with no ceiling on career trajectory. Our focus is on a premium quality of life, and we encourage everyone in the firm to thrive in all aspects of their lives. At NK Securities Research, we take mentorship seriously and are committed to training and preparing freshers for future leadership responsibilities.

Perks:

- Monthly after work parties
- Catered meals
- Domestic and International team outings

Joining By: 1 June 2024

Salary Details

CTC:	5,400,000 INR Per Annum
Gross:	3,800,000 INR Per Annum
Base Salary:	3,600,000 INR Per Annum
Joining Bonus:	200,000 INR Per Annum
HRA:	0 (min) -0 (max) INR Per Annum
Medical Allowance:	0 (min) -0 (max) INR Per Annum
Other cash benefits part of gross:	0 (min) -0 (max) INR Per Annum

RSUs:	0 INR Per Annum
ESOPs:	0 INR Per Annum
Performance/other bonuses:	1,600,000 (min) -5,200,000 (max) INR Per Annum
Other cash benefits part of CTC:	0 (min) -0 (max) INR Per Annum

Selection Process

Resume Shortlist:	Yes
Written Test:	No
Online Test:	No
Group Discussion:	No
Medical Test:	No
Personal Interview:	Yes
No. of Rounds:	2
No. of Offers:	5

Eligibility

Diversity Recruiting:	No
Recruiting PHDs:	No
Eligible Departments:	B.Tech in Computer Science & Engineering, B.Tech in Electrical Engineering, B.Tech in Electrical Engineering (Power and Automation), B.Tech and M.Tech in Computer Science & Engineering, B.Tech and M.Tech in Mathematics & Computing, B.Tech in Textile Engineering 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) and M.Tech in Computer Science & Engineering, B.Tech in Biochemical Engineering & Biotechnology and M.Tech in Computer Science & Engineering, B.Tech in Mechanical Engineering and M.Tech in Computer Science & Engineering