Internship Notification Form, IIT Delhi

About Organisation

Name of Company:	J P Morgan Chase
Date of Establishment:	2000-12-31
Number of Employees:	200000
Social Media Page Link:	www.jpmorganchase.com
Website:	www.jpmorganchase.com
Type of Organization:	MNC (Foreign Origin)
Location of Head office:	New York
Nature of Business:	Finance & Consulting

Internship Profile

Job Title: Summer Analyst - Market Risk Quantitative Analytics

Job Description:

About Market Risk Quantitative Analytics
Market Risk Quantitative Analytics (MRQA) is an expert quantitative analytics group in J.P. Morgan, as well as a leader in financial engineering, data science, statistical modeling, and portfolio management. As a global team, MRQA partners with traders, marketers and risk managers across all products and regions, contributes to sales and client interaction, product innovation, valuation and risk management, inventory and portfolio optimization, electronic trading and market making, and appropriate financial risk controls.

Opportunity
We are looking for a junior candidate to join our team in Mumbai. The Market Risk Quantitative Analytics (MRQA) team's mission is to build the modeling and analytics used for the risk management of Market Risk. This includes Value at Risk (VaR) and Stress testing models and regulatory risk models like Fundamental Review of Trading Book (FRTB). The team in Mumbai therefore plays a critical role in Global Market Risk Quantitative Analytics initiatives. We also work closely with Market Risk Management group to develop tools and utilities for model development and risk management purposes. This role is focused on the front-end quantitative analytics and application development and enhancement to provide end-to-end market risk solutions to front office traders and risk managers. It includes working on exciting cutting-edge technology in the field of Data Science, AI/ML and LLM/ChatGPT for Market Risk.

In addition, we are providing on job training, intensive internal classroom training, and online courses, all given by our experienced quants. Through the diversity of the business it supports, and the variety of functions that it is responsible for, the Quantitative Analytics group provides unique growth opportunities for you to develop your abilities and your career.

We make reasonable accommodations for applicants' and employees' religious practices and beliefs, as well as any mental and physical health needs or family considerations.

If you are passionate, curious, and ready to make an impact, we are looking for you.

Your Impact

You'll contribute to the firm's product innovation, effective risk management, financial risk controls. Specially, you'll have the chance to:

- Work on the implementation of the next generation of Market Risk quantitative analytics platform.
- Use the latest technologies to build end-to-end Market Risk solutions.
- Develop and implement front-end quantitative analytics and applications for VaR/Stress/FRTB.
- Collaborate with front office traders and risk managers and come up with analytical quant solutions.
- Improve performance and scalability of quantitative analytics algorithms.
- Develop and enhance mathematical models for VaR/Stress/FRTB.
- Design efficient numerical algorithms and implementing high performance computing solutions.
- Design and develop software frameworks for quantitative analytics and their delivery to systems and applications.
- Work in the field of Data Science, AI/ML and LLM/ChatGPT for Market Risk.

About You

- Graduate degree (B. Tech or equivalent) in Engineering, Computer Science, etc.
- You bring expertise in Python or any other object-oriented programming language.
- You are familiar with any of the front-end technologies like React, JavaScript, Angular, HTML, CSS, etc.
- You have collaborated with multiple stakeholders for user requirements, app demo, etc.
- You demonstrate proficiency in data structures, standard algorithms, and object-oriented design.
- You understand the different types of risk and you can discuss in basic ways of managing these risks.
- You have basic product knowledge across a range of asset classes – Credit, Rates, Equities, Commodities, FX & SPG.
- You're interested in applying agile development practices.
- You demonstrate analytical and quantitative problem-solving skills as well as research skills.
- You understand basic mathematics such as statistics, probability theory.

• You demonstrate good interpersonal and communication skills, ability to work in a group.
• You're attentive to detail and easily adaptable.
Desirables
• Graduate degree (B. Tech or equivalent) in Engineering, Computer Science, etc.
• Excellent knowledge on data quant analysis tools in python like Pandas, NumPy, SciPy, etc.
• Knowledge of front-end technologies like React, JavaScript, HTML, and integration with large data sets.
• Experience using multi-threading, GPU, MPI, grid, or other HPC technologies.
• Basic understanding of product knowledge across a range of asset classes.
• Understand basic mathematics such as statistics, probability theory.
• Understand the different types of risk and basics of risk management.
• Knowledge of options pricing theory, trading algorithms or financial regulations is a plus.

Minimum No. of Hires:	-
Expected No. of Hires:	-
Location(s)/Place of Posting/Online:	Mumbai
Skillset:	• Graduate degree (B. Tech or equivalent) in Engineering, Computer Science, etc. • Excellent knowledge on data quant analysis tools in python like Pandas, NumPy, SciPy, etc. • Knowledge of front-end technologies like React, JavaScript, HTML, and integration with large data sets. • Experience using multi-threading, GPU, MPI, grid, or other HPC technologies. • Basic understanding of product knowledge across a range of asset classes. • Understand basic mathematics such as statistics, probability theory. • Understand the different types of risk and basics of risk management. • Knowledge of options pricing theory, trading algorithms or financial regulations is a plus.
Minimum CGPA:	7.5
Students with backlog eligible:	No

Selection Process

Resume Shortlist:	Yes
Mode of Selection:	Virtual
Resume shortlisting before test?:	Yes
Test:	Yes
Mode of Test:	Online
Test duration (minutes):	90
Aptitude/Psycometric:	No

Technical:	No
Group Discussion:	No
Personal Interview:	Yes
Technical Round:	Yes
HR Round:	Yes
Medical Test:	No

Eligible Academic Programs

Diversity Recruiting:	No
Eligible Years:	Graduating in 2026 (Pre-Final Year Students) - B.Tech / Dual / Master's
Eligible Departments:	B.Tech in Biochemical Engineering & Biotechnology, B.Tech in Chemical Engineering, B.Tech in Civil Engineering, B.Tech in Computer Science & Engineering, B.Tech in Electrical Engineering, B.Tech in Electrical Engineering (Power and Automation), B.Tech in Energy Engineering, B.Tech in Engineering Physics, B.Tech in Engineering and Computational Mechanics, B.Tech in Materials Engineering, B.Tech in Mathematics & Computing, B.Tech in Mechanical Engineering, B.Tech in Production & Industrial Engineering, B.Tech in Textile Engineering, B.Tech and M.Tech in Biochemical Engg & Biotechnology, B.Tech and M.Tech in Chemical Engineering, B.Tech and M.Tech in Computer Science & Engineering, B.Tech and M.Tech in Mathematics & Computing

Stipend Details

Stipend (per month) (In INR Per Month):	175,000 INR Per Month
Accommodation:	One time relocation assistance - INR 50,000k
Provision of PPO based on performance?	Yes
Tentative CTC for PPO select:	3,750,000 INR Per Annum