

# Internship Notification Form, IIT Delhi

## About Organisation

<b>Name of Company:</b>	Barclays
<b>Date of Establishment:</b>	1990-12-31
<b>Number of Employees:</b>	23000
<b>Social Media Page Link:</b>	<a href="https://in.linkedin.com/showcase/barclaysinindia/">https://in.linkedin.com/showcase/barclaysinindia/</a>
<b>Website:</b>	<a href="https://www.barclays.in/career-at-barclays/career-at-barclays-india/">https://www.barclays.in/career-at-barclays/career-at-barclays-india/</a>
<b>Type of Organization:</b>	MNC (Foreign Origin)
<b>Location of Head office:</b>	Mumbai
<b>Nature of Business:</b>	Finance & Consulting

## Internship Profile

**Job Title:** BIIC Summer Intern - Mumbai Quants

**Job Description:**

Key Accountabilities:

- Work closely with the wider Liquid financing team and SM&D Team to build performant and reliable real time automated trading algorithms and analytics functionality
- Examine market trends and trading workflows to propose new or improved algorithmic trading strategies
- Implementing mathematical models into programming language for execution
- Analysis of and improvements to algorithm performance
- Participation in team peer reviews of code, modelling and testing
- Participation in team knowledge sharing and presentations Write and maintain high-performance data APIs for generating analytics and creating statistical features.
- Help in writing bots and other micro services relevant for the project
- Help in writing code for consuming and caching real time data streams
- Help the team migrate to cloud infrastructure.

Stakeholder Management and Leadership

- ☐ Communicate across sales & trading desks, product, control and IT teams across the floor the manage risk and increase transactional efficiency
- ☐ Drive increased communication and shared goals and accountability

Risk and Control Objective

Ensure that all activities and duties are carried out in full compliance with regulatory requirements, Enterprise Wide Risk Management Framework and internal Barclays

**Person Specification:**

We are looking for candidates who are keen to roll up their sleeves and do the hard work to set up a new framework, utilizing next generation tools and techniques. Ideal candidates will have a combination of the following experiences:

**Essential Skills/Basic Qualifications:**

- The role is ideally suited towards someone who has:
  - o Excellent Programming skills - Python/C++/Java
  - o Excellent Data Analytics and problem solving skills
  - o Strong Mathematics and Statistics skills
- Bachelors or Masters in a quantitative discipline such as Maths, Finance, Machine Learning/AI, Econometrics, Computer Science, Statistics, Physics, Chemistry or Operations Research.
- Knowledge of advanced data structures and basic algorithms development .
- Excellent verbal and written communication skills

**Desirable skills/Preferred Qualifications:**

- Computer Science background
- Having good understanding of Stocks and Trading
- Exposure to Data Science and Machine Learning

**Minimum No. of Hires:** 1

**Expected No. of Hires:** 1

**Location(s)/Place of Posting/Online:** Mumbai

**IP & Copyright Norms:** as applicable per company policy

**Skillset:** Person Specification Personal attributes essential to performing role including competencies, expertise, knowledge, and experience. Note: experience requirements must not be in the form of years (minimum or otherwise). Essential Skills: The role is ideally suited towards someone who has: ☐ Excellent Programming skills ☐ Excellent Data Analytics and problem solving skills ☐ Strong Mathematics and Statistics skills The candidate must have: 

- o Strong Object Oriented Programming skills in Java or C++ or Python
- o Familiarity with UNIX/LINUX environment
- o Strong analytical skills
- o Eye for details
- o Excellent communication skills
- o Flexible to work long hours when required

 Preferred candidate: 

- o Computer Science background
- o Having good understanding of Stocks and Trading
- o Exposure to Data Science and Machine Learning

**Project Details:** as per company policy, Barclays reserves all rights to change details

**Students with backlog eligible:** No

## Selection Process

**Resume Shortlist:** Yes

**Mode of Selection:** Hybrid

<b>Resume shortlisting before test?:</b>	No
<b>Test:</b>	Yes
<b>Mode of Test:</b>	Online
<b>Test duration (minutes):</b>	120
<b>Aptitude/Psycometric:</b>	Yes
<b>Technical:</b>	Yes
<b>Group Discussion:</b>	No
<b>Other modes:</b>	Cv screening before assessment
<b>Personal Interview:</b>	Yes
<b>Technical Round:</b>	Yes
<b>HR Round:</b>	Yes
<b>Medical Test:</b>	No

## Eligible Academic Programs

<b>Diversity Recruiting:</b>	No
<b>Eligible Years:</b>	Graduating in 2026 (Pre-Final Year Students) - B.Tech / Dual / Master's
<b>Eligible Departments:</b>	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 Engineering and Computational Mechanics, B.Tech in Mathematics & Computing, B.Tech in Mechanical Engineering, 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

<b>Stipend (per month) (In INR Per Month):</b>	200,000 INR Per Month
<b>Accommodation:</b>	no accomodation, but back n forth flight tickets available
<b>Provision of PPO based on performance?</b>	Yes
<b>Tentative CTC for PPO select:</b>	24L fixed + retirals, ctc break up will be shared at time of offer INR Per Annum