

Training Notification Form, IIT Delhi

Company Overview

Name: Optiver Services B.V

Website: <https://www.optiver.com/>

Company Type: Core (Technical)

Description: We are market makers. In simple terms, we provide bid-ask prices for financial products in exchanges all over the world. This creates the liquidity needed to keep the markets viable and allow everyone to trade at will. In essence, we improve the market and give it stability even in times of extreme volatility. It's a responsibility we don't take lightly but that also makes what we do so exciting. From traders, developers, engineers, researchers and support, we all strive towards finding solutions to incredibly complex problems. It's a melting pot of dynamic thought, simple execution and pioneering spirits. We are looking forward to hire talent from IITD for our internship programs - who's ready to spend a beautiful summer in Amsterdam?

Project Details

Designation: Quantitative Research Internship 2024 (Amsterdam)

Type: Finance

Location: Amsterdam, The Netherlands

Project Details: Quantitative Research Internship 2024 (Amsterdam)

Introduction:

As Optiver's Quantitative Research Intern, you'll put your brilliant quantitative skills to the test by developing and improving our trading strategies. You'll not only deep-dive the fundamentals of Optiver's complex trading systems, but see firsthand how this theory translates in practice on our dynamic trading floor. Over the course of eight weeks, you'll be tasked with exploring a real-world research problem that directly impacts how Optiver trades. With two mentors from research and trading, you'll get the support and guidance needed to maximise your impact and drive our bottom line.

What you'll do:

Quantitative Researchers are responsible for the accuracy of our core pricing models, and work closely with Traders to analyse and improve all facets of our trading strategies. During this internship, you will perform extensive analysis in order to implement new algorithms that support and improve our existing models. You'll be exposed to the statistical arbitrage strategies we develop; work with petabytes of low latency, high-frequency market data sets; experience our high-powered, computing back-testing framework and much more. Optiver Researchers believe in academic discourse, and therefore invite their teammates and Traders to challenge each hypothesis. Can it be mathematically improved? Does it pose potential risk? Does it exploit a market behavioural pattern? Can it sustain its output goals? Constant testing, analysis, refinement and innovation ensure our quantitative models remain at the cutting-edge of constantly evolving capital markets - and as our Quantitative Research Intern you'll play a key role in

capital markets" and as our Quantitative Research intern, you'll play a key role in keeping us there.

We're looking for:

- Penultimate year student with ability to work full-time upon graduation in 2025
- Programming experience in Python is preferred
- Ability to apply basic concepts of probability, calculus and linear algebra
- Ability to carry a project on your own in a structured way within a short timeframe
- Competitive attitude and eagerness to constantly improve yourself
- Self-starting, 'can do' attitude
- Ability to learn quickly
- Excellent verbal and written English skills (Dutch is not required)

What you'll get:

- An 8-week internship taking place in May 6, 2024 – June 28, 2024
- Competitive salary: €40,000 EUR total compensation over the 8 week period (~₹35,90,320.00 INR)
- (Paid) Travel to and from Amsterdam provided
- (Paid) Fully furnished housing arrangement provided by Optiver in the city center of Amsterdam
- Mentoring and feedback from senior researchers
- Awesome social events and outings (boat tours through the canals of Amsterdam, BBQ's etc)
- Free breakfast, lunch and dinner provided at Optiver, weekly massages & a bicycle to explore Amsterdam
- Most importantly, the possibility to receive a full-time offer upon completion of internship back in our Amsterdam, Sydney or Mumbai office

Stipend Details

Stipend:	20,000 EUR Per Month
Accommodation:	Yes
Travel Expenses:	Yes
Perks / Bonus:	<p>What you'll get:</p> <ul style="list-style-type: none">• An 8-week internship taking place in May 6, 2024 – June 28, 2024• Competitive salary: €40,000 EUR total compensation over the 8 week period (~₹35,90,320.00 INR)• (Paid) Travel to and from Amsterdam provided• (Paid) Fully furnished housing arrangement provided by Optiver in the city center of Amsterdam• Mentoring and feedback from senior researchers• Awesome social events and outings (boat tours through the canals of Amsterdam, BBQ's etc)• Free breakfast, lunch and dinner provided at Optiver, weekly massages & a bicycle to explore Amsterdam• Most importantly, the possibility to receive a full-time offer upon completion of internship back in our Amsterdam, Sydney or Mumbai office

Selection Process

Resume	Yes
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Shortlist:

Written Test: No

Online Test: Yes

Group Discussion: Yes

Personal Interview: Yes

No. of Offers: 25

Eligibility

Diversity Recruiting: No

Eligible Years: Graduating in 2025 (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 Chemical Engineering, B.Tech and M.Tech in Computer Science & Engineering, B.Tech and M.Tech in Mathematics & Computing