Training Notification Form, IIT Delhi

Company Overview

Name:	APT Portfolio Private Limited
Website:	https://aptportfolio.com/
Company Type:	Other (High Frequency Trading)
Description:	A.P.T. Portfolio is a proprietary trading group, specializes in quantitative strategies, statistical analysis and algorithms. It was set up in 2009, and has grown rapidly to become the largest proprietary trading house in India.

A.P.T. Capital was founded in 2015 in the UK with a view to expand trading operations in Europe, USA and South America. With an exceptionally talented pool of employees who are continuously looking to challenge their limits, A.P.T. Portfolio is poised to become a global player in algorithmic trading.

A.P.T. has its offices in Delhi, Bangalore, Gandhinagar and London.

Project Details

Designation:	Intern- Software
Type:	Core (Technical)
Location:	Delhi
Project Details:	Developing low latency C++ software for electronic trading in the most competitive financial markets. Writing efficient code by choosing the best algorithms and data structures, and also developing and leveraging knowledge of x86 processor architecture and FPGA to optimize code for specific execution environments.

Co-designing and developing low latency execution algorithms with traders and FPGA developers.

Design and development of our in-house machine learning platform, covering all aspects like data validation and integration, feature and model development etc.

Scaling and optimizing the platform for faster learning as well as prediction using selected models.

Reviewing research papers and experimenting with new features and modeling techniques

Implementing application-level network protocols in C++ to connect to new trading venues. Developing a deep understanding of the nuances in each such protocol and optimizing code to gain advantage from these.

Investigating latencies and jitter from test and production data and fixing identified issues. Designing experiments to root cause such issues without disrupting production environments.

Improving our big data infrastructure which is used for market simulations and post-trade analysis. Enhancing capabilities of our statistical learning and market-simulation logic which models a real market, including all its variances, as accurately as possible.

Stipend Details

Stipend: 250,000 INR Per Month

Accommodation: Yes

Travel Expenses: Yes

Perks / Bonus: 2 months accommodation
Flights
Medical Insurance

Selection Process

Resume Shortlist: Yes

Written Test: No

Online Test: Yes

Group Discussion: No

Personal Interview: Yes

No. of Offers: 2

Selection Process: CGPA- 8+

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