

# Job Notification Form, IIT Delhi

## Company Overview

**Name:** Goldman Sachs Services India Private Limited.

**Website:** [www.gs.com](http://www.gs.com)

**Company Type:** Analytics

**Description:** The Goldman Sachs Group, Inc., is an American multinational investment bank and financial services company headquartered in New York City. It offers services in investment management, securities, asset management, prime brokerage, and securities underwriting.

## Job Details

**Designation:** New Analyst

**Type:** Information Technology

**Place of Posting:** Bengaluru / Hyderabad

**Job Details:** About Our Quantitative and Technical Roles  
Goldman Sachs is a world leader in developing quantitative and technological solutions to complex business problems. Working side by side with the firm's trading, sales and investment management professionals, our quantitative and technical professionals use their training to create financial products, advise clients on transactions, measure risk and identify market opportunities.

### Job Responsibilities

Candidates would be required to work on a wide range of problems, including the following:

- Developing and validating quantitative models used:

- 1) to calculate the fair value of financial contracts (securities and derivatives);
- 2) to measure, analyze and manage the risks in our businesses (market, counterparty credit, operational, funding and liquidity risks as well as legal, regulatory and reputational risks);
- 3) to execute trades and make markets electronically in equity and fixed income products; and
- 4) to create trading strategies, portfolio analytics and risk management tools for the firm's mutual funds, hedge funds and private wealth clients.

- Designing and developing sophisticated software and systems using proprietary as well

as modern web, mobile, and, desktop technologies:

- 1) to manage, visualize, and analyze massive sets of market and operational data used in our

- trading, risk management, and control functions
- 2) to correctly and efficiently route orders for billions of dollars of securities every day;
  - 3) to allow the ability to represent, transact in and risk manage all of the firm's OTC derivative positions; and
  - 4) to distribute computations across tens of thousands of computers.
  - 5) to make use of functional programming paradigm and big data solutions to develop firm's next generation modeling, pricing, and risk management platform
  - 6) to contribute to key open source initiatives – e.g. GSCollections, Project Panama
  - 7) to build firm's strategic mobile platform

#### Qualifications

We are interested in applicants who possess skills in several of the following areas:

Mathematics: probability and statistics, differential equations, time series analysis, Monte Carlo methods,

data mining, machine learning, regression and other numerical techniques.

Computer Science: strong fundamentals in distributed systems, databases, design and analysis of

algorithms, implementation of programming languages and run-time systems.

Knowledge of finance, stochastic calculus and financial models is not required.

**Joining By:** 21 May 2022

## Salary Details

**CTC:** 3,650,000 INR Per Annum

**Gross:** 2,300,000 INR Per Annum

**CTC** Total Compensation: 3,650,000 INR

**Breakup:** CTC: 2,300,000 INR

One-time Payment: 700,000 INR

\*Supplemental Salary - 650,000 INR

(supplemental salary is an accrued bonus paid out in monthly installments pro-rated from the date of joining, this is only applicable during the first year of joining)

## Selection Process

**Resume Shortlist:** No

**Written Test:** No

**Online Test:** Yes

**Group Discussion:** No

**Medical Test:** No

**Personal Interview:** Yes

**No. of Rounds:** TBC

## Eligibility

**Recruiting  
PHDs:** No

**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 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, M.Tech in Applied Optics, M.Tech in Atmospheric-Oceanic Science and Technology, M.Tech in Biomedical Engineering, M.Tech in Chemical Engineering, M.Tech in Communications Engineering, M.Tech in Computer Science & Engineering, M.Tech in Computer Technology, M.Tech in Construction Engineering & Management, M.Tech in Control & Automation, M.Tech in Energy & Environment Technologies and Management, M.Tech in Energy Studies, M.Tech in Engineering Analysis & Design, M.Tech in Environmental Engineering & Management, M.Tech in Fibre Science & Technology, M.Tech in Geotechnical and Geoenvironmental Engineering, M.Tech in Industrial Engineering, M.Tech in Industrial Tribology & Maintenance Engineering, M.Tech in Instrument Technology, M.Tech in Integrated Electronics & Circuits, M.Tech in Materials Engineering, M.Tech in Mechanical Design, M.Tech in Molecular Engineering: Chemical Synthesis & Analysis, M.Tech in Optoelectronics & Optical Communication, M.Tech in Polymer Science & Technology, M.Tech in Polymer Science and Technology, M.Tech in Power Electronics, Electrical Machines & Drives, M.Tech in Power Systems, M.Tech in Production Engineering, M.Tech in Radio Frequency Design & Technology, M.Tech in Rock Engineering & Underground Structures, M.Tech in Solid State Materials, M.Tech in Structure Engineering, M.Tech in Telecommunication Technology & Management, M.Tech in Textile Chemical Processing, M.Tech in Textile Engineering, M.Tech in Thermal Engineering, M.Tech in Transportation Engineering, M.Tech in VLSI Design Tools & Technology, M.Tech in Water Resources Engineering, B.Tech in Civil Engineering and M.Tech in Geotechnical and Geoenvironmental Engineering, B.Tech in Civil Engineering and M.Tech in Water Resources Engineering, B.Tech in Mechanical Engineering and M.Tech in Thermal Engineering, B.Tech in Mechanical Engineering and M.Tech in Computer Science & Engineering, B.Tech in Civil Engineering and M.Tech in Structural Engineering, B.Tech in Civil Engineering and M.Tech in Construction Engineering & Management, B.Tech in Textile Engineering and M.Tech in Computer Science & Engineering, B.Tech in Engineering Physics and M.Tech in Computer Science & Engineering, B.Tech in Chemical Engineering and M.Tech in Computer Science & Engineering, B.Tech in Production & Industrial Engineering and M.Tech in Computer Science & Engineering, B.Tech in Mechanical Engineering and M.Tech in Computer Science & Engineering, B.Tech in Mechanical Engineering and M.Tech in Computer Science & Engineering, B.Tech in Production & Industrial Engineering and M.Tech in Production Engineering, M.S.(R) in Applied Mechanics, M.S.(R) in Biochemical Engineering and Biotechnology, M.S.(R) in Biological Sciences, M.S.(R) in Telecommunication Technology and Management, M.S.(R) in Civil Engineering, M.S.(R) in Chemical Engineering, M.S.(R) in Computer Science & Engineering, M.S.(R) in Electrical Engineering, M.S.(R) in Sensors, Instrumentation and Cyber-physical System Engineering, M.S.(R) in Automotive Research and Tribology, M.S.(R) in VLSI Design Tools and Technology, M.S.(R) in Mechanical Engineering, M.S.(R) in Materials Science and Engineering, M.S.(R) in Information Technology