

The CDC in its efforts to help students prepare better for the placement process would like to hear your views on different relevant aspects. Would you be willing to spare 2 minutes of your time to fill this form.

This survey is completely optional. That being said, the results of the survey will have an impact on how CDC helps students prepare in future years. If you do choose to fill it, we would urge you to be honest in your answers, after reading, weighing and analysing all options. We promise it won't take more than 2 minutes of your time. Your identity will not be revealed publicly.

☐ Yes

☐ No

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Company : GOLDMAN SACHS

Job Profile

Form Type	Stipend per month	Additional Criteria	CGPA Cut-off
INTERNSHIP	100000 INR [100000]		0.0

Job Description

Quantitative and Technical Roles at Goldman Sachs India

About Goldman Sachs Goldman Sachs is global investment banking, securities and investment management firm. We provide a wide range of services to a substantial and diversified client base that includes corporations, institutional investors, governments, non-profit organizations and high net worth individuals. Our headquarters are in New York and we maintain significant offices in London, Bangalore, Mumbai, Tokyo, Hong Kong and other financial centers around the world.

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.

Selection Process

Online/Offline test (Max 30 mins)

Allowed Departments and degrees

AEROSPACE ENGINEERING

B.TECH --- AEROSPACE ENGINEERING(B.TECH 4Y)

DUAL DEGREE --- AEROSPACE ENGINEERING/ENGINEERING ENTREPRENEURSHIP

DUAL DEGREE --- AEROSPACE ENGINEERING/FINANCIAL ENGINEERING

DUAL DEGREE --- AEROSPACE ENGINEERING (M.TECH DUAL 5Y)

AGRICULTURAL AND FOOD ENGINEERING

B.TECH --- AGRICULTURAL & FOOD ENGG.(B.TECH 4Y)

DUAL DEGREE --- AGR. FOOD ENGG.AGRI SYSTEMS AND MGMT.(M.TECH DUAL 5Y)

DUAL DEGREE --- AGR. FOOD ENGG.FARM MACHINERY & POWER(M.TECH DUAL 5Y)

DUAL DEGREE --- AGR. FOOD ENGG.FOOD PROCESS ENGG. (M.TECH DUAL 5Y)

DUAL DEGREE --- AGRICULTURAL & FOOD ENGINEERING DUAL DEGREE IN AVAILABE SPECIALISATION. (M.TECH DUAL 5Y)

DUAL DEGREE --- AGRICULTURAL & FOOD ENGINEERING/ENGINEERING ENTREPRENEURSHIP

DUAL DEGREE --- AGRICULTURAL & FOOD ENGINEERING/FINANCIAL ENGINEERING

BIOTECHNOLOGY

B.TECH --- BIOTECH. & BIOCHEMICAL ENGG. (B.TECH 4Y)

DUAL DEGREE --- BIOTECHNOLOGY & BIOCHEM. ENGG. (M.TECH DUAL 5Y)

DUAL DEGREE --- BIOTECHNOLOGY & BIOCHEMICAL ENGINEERING/ENGINEERING ENTREPRENEURSHIP

CHEMICAL ENGINEERING

B.TECH --- CHEMICAL ENGG. (B.TECH 4Y)

DUAL DEGREE --- CHEMICAL ENGG.(M.TECH DUAL 5Y)

DUAL DEGREE --- CHEMICAL ENGINEERING/FINANCIAL ENGINEERING

CHEMISTRY

M.SC(5YR) --- CHEMISTRY (M.SC. 5Y)

CIVIL ENGINEERING

B.TECH --- CIVIL ENGG. (B.TECH 4Y)

DUAL DEGREE --- CIVIL ENGG. DUAL DEGREE IN AVAILABE SPL. (M.TECH DUAL 5Y)

DUAL DEGREE --- CIVIL ENGG. ENVIRONMENTAL ENGG. AND MANAGEMENT (M.TECH DUAL5Y)

DUAL DEGREE --- CIVIL ENGG. STRUCTURAL ENGG. (M.TECH DUAL5Y)

DUAL DEGREE --- CIVIL ENGG. TRANSPORTATION ENGG. (M.TECH DUAL5Y)

COMPUTER SCIENCE AND ENGINEERING

B.TECH --- COMPUTER SCIENCE & ENGG. (B.TECH 4Y)

DUAL DEGREE --- COMPUTER SCIENCE & ENGG. (M.TECH DUAL 5Y)

ELECTRICAL ENGINEERING

B.TECH --- ELECTRICAL ENGG. (B.TECH 4Y)

B.TECH --- INSTRUMENTATION ENGG. (B.TECH 4Y)

DUAL DEGREE --- ELECT.ENGG. CONTROL SYSTEM ENGG.(M.TECH DUAL 5Y)

DUAL DEGREE --- ELECT.ENGG. DUAL DEGREE IN ANY SPL.(M.TECH DUAL 5Y)

DUAL DEGREE --- ELECT.ENGG. INSTRUMENTATION AND SIGNAL PROCESSING ENGG.(M.TECH DUAL 5Y)

DUAL DEGREE --- ELECT.ENGG. MACH. DRIVES & POWER ELECT.(M.TECH DUAL 5Y)

DUAL DEGREE --- INSTRUMENTATION AND SIGNAL PROCESSING ENGINEERING(M.TECH DUAL 5Y)

DUAL DEGREE --- INSTRUMENTATION ENGINEERING/CONTROL SYSTEM ENGINEERING(M.TECH DUAL 5Y)

ELECTRONICS AND ELECTRICAL COMMUNICATION ENGG.

B.TECH --- ELECTRONICS & ELEC. COMM.ENGG. (B.TECH 4Y)

DUAL DEGREE --- ELECT.&ELEC.COM.ENGG.DUAL DEGREE IN ANY SPL.(M.TECH DUAL5Y)

DUAL DEGREE --- ELECT.&ELEC.COM.ENGG.MICROELECTRONICS & VLSI DES.(M.TECH DUAL5Y)

DUAL DEGREE --- ELECT.&ELEC.COM.ENGG.TELECOMM SYSTEM ENGG.(M.TECH DUAL5Y)

DUAL DEGREE --- ELECT.&ELEC.COM.ENGG.VISUAL INFORMN. & EMBEDDED SYS.(M.TECH DUAL5Y)

GEOLOGY AND GEOPHYSICS

M.SC(5YR) --- APPLIED GEOLOGY (M.SC. 5Y)

M.SC(5YR) --- EXPLORATION GEOPHYSICS (M.SC. 5Y)

HUMANITIES AND SOCIAL SCIENCES

M.SC(5YR) --- ECONOMICS (M.SC. 5Y)

INDUSTRIAL AND SYSTEMS ENGINEERING

B.TECH --- INDUSTRIAL ENGG. (B.TECH 4Y)

DUAL DEGREE --- INDU. ENGG. INDU. ENGG. & MANG. (M.TECH DUAL 5Y)

DUAL DEGREE --- INDUSTRIAL ENGINEERING/FINANCIAL ENGINEERING

DUAL DEGREE --- QUALITY ENGINEERING DESIGN AND MANUFACTURING (INDUSTRIAL ELECTRONICS VERTICAL) (M.TECH DUAL 5Y)

DUAL DEGREE --- QUALITY ENGINEERING DESIGN AND MANUFACTURING (MECHANICAL ENGINEERING VERTICAL)(M.TECH DUAL 5Y)

MATHEMATICS

M.SC(5YR) --- MATHEMATICS & COMPUTING (M.SC. 5Y)

MECHANICAL ENGINEERING

B.TECH --- MANUFACTURING SCIENCE & ENGG.(B.TECH 4Y)

B.TECH --- MECHANICAL ENGG.(B.TECH 4Y)

DUAL DEGREE --- MANUFACTURING SCIENCE AND ENGINEERING/FINANCIAL ENGINEERING

DUAL DEGREE --- MANUF. SCI & ENGG.IND. ENGG.MAN. (M.Tech Dual 5Y)

DUAL DEGREE --- MECHANICAL ENGINEERING/FINANCIAL ENGINEERING

DUAL DEGREE --- MECH.ENGG. DUAL DEGREE IN ANY SPL. (M.TECH DUAL 5Y)

DUAL DEGREE --- MECH.ENGG. MANUF.SCIENCE & ENGG. (M.TECH DUAL 5Y)

DUAL DEGREE --- MECH.ENGG. MECH.SYSTEMS DESIGN (M.TECH DUAL 5Y)

DUAL DEGREE --- MECH.ENGG. THER. SCIENCE & ENGG. (M.TECH DUAL 5Y)

METALLURGICAL AND MATERIALS ENGINEERING

B.TECH --- METALL. & MATERIALS ENGG.(B.TECH 4Y)

DUAL DEGREE --- METALL & MAT.ENGG. METALL.ENGG. (M.TECH DUAL 5Y)

DUAL DEGREE --- METALLURGICAL AND MATERIALS ENGINEERING/FINANCIAL ENGINEERING

MINING ENGINEERING

B.TECH --- MINING ENGG.(B.TECH 4Y)

DUAL DEGREE --- MINING.ENGG. (M.TECH DUAL 5Y)

DUAL DEGREE --- MINING ENGINEERING/ENGINEERING ENTREPRENEURSHIP

DUAL DEGREE --- MINING ENGINEERING/FINANCIAL ENGINEERING

DUAL DEGREE --- MINING ENGINEERING/PETROLEUM ENGINEERING

DUAL DEGREE --- MINING ENGINEERING SAFETY ENGG. (M.TECH DUAL 5Y)

OCEAN ENGG AND NAVAL ARCHITECTURE

B.TECH --- OCEAN ENGG.& NAVAL ARCH. (B.TECH 4Y)

DUAL DEGREE --- OCEAN ENGG. AND NAVAL ARCHITECTURE/ENGINEERING ENTREPRENEURSHIP

DUAL DEGREE --- OCEAN ENGG. AND NAVAL ARCHITECTURE/FINANCIAL ENGINEERING

DUAL DEGREE --- OCEAN & NAVAL ARCH / OCEAN ENGG. NAVAL ARCH. (M.TECH DUAL 5Y)

PHYSICS

M.SC(5YR) --- PHYSICS (M.SC. 5Y)