



Raghav Gupta
Chemical Engineering
Indian Institute of Technology, Bombay

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B.Tech.
Gender: Male
DOB: 20-09-2001

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2023	

Pursuing a **minor** degree in **Statistics** from department of **Mathematics**, IIT Bombay

PROFESSIONAL EXPERIENCE

Wadhvani Catalyst Fund | Research Analyst (Jun '21 - Present)

A not-for-profit operating in 15+ countries accelerating employment creation through grants and investments

- Identified optimal industry and location for a **\$2 million** investment by scrutinizing data from **50+** sectors
- Extracted crucial drivers of employment generation by evaluating **1.5 million+** active companies on **5+ KPIs**
- Streamlined the search for **investment opportunities** by modeling the impact of investments on job creation

TBNG Capital Advisors | Research Analyst (Jan '21 - Mar '21)

An investment management firm across multiple asset classes, treasury management, and investment planning

- Built a **quantitative model** to rank **150+** portfolio management services based on their past performances
- Conducted primary research by interviewing top **10** fund managers to restructure firm's investment advisement
- Designed **7+ REIT portfolios** for clients offsetting risk exposures using Index ETFs, bonds, and gold

Centrum Capital | Quant Analyst (May '21 - Jun '21)

*A financial services group in investment banking and institutional equities with a market cap of **INR 20 billion***

- Researched the relevance of **dispersion trading** by identifying triggers capturing **3%** moves on Nifty50 basket
- Minimised derivatives liquidity problems by deriving a **correlation matrix** of Nifty50 stocks using python

POSITIONS OF RESPONSIBILITY

Finance Club Manager | Undergraduate Academic Council (Apr '21 - Present)

*Leading a 4 member team promoting various fields of finance to **4.5k+** students through webinars & workshops*

- Ideated and launched a research programme, **FinSearch**, with **600+** registrations, distributing **200+** projects
 - Procured a sponsorship of **INR 30K** | Coauthored **10+** modules for distribution | Recruited **40+** mentors
- Collaborated with Career Cell to launch Learner's Space online | **5000+** registrations | **50%** y-o-y increase
- Developing a **Global Fintech Network** by collaborating with **10+** universities to promote financial ecosystem
- Conceptualising a **Finance minor** with an aim to incorporate it in the institute's undergraduate curriculum
- Developing the first ever **IITB investment team** | Collaborated with **Zerodha** for professional exposure
- Curated the first ever **internship preparation booklet** collating **100+** resources, aiding **1000+** students

Academic Mentor | Department Academic Mentorship Program (May '21 - Present)

*Selected as a part of a 32-membered team based on interviews and peer reviews to mentor **100+** students*

- Monitoring academic performance of **8** sophomores while providing them academic guidance and general counsel
- Contributing to initiatives that promote student interaction and smooth academic functioning in department

KEY PROJECTS

Volatility Based Strategies | Shailesh J. Mehta School of Management | Prof. Piyush Pandey ('20)

Researched vega neutral strategies, RV-IV spread, and volatility arbitrage for the Indian stock markets

- Calculated and backtested **variance risk premium** for **BRICS** nations benchmarking it with S&P500 index
- Investigated the existence of **volatility risk premium** and its supposed breakdown by overselling options

Project Associate | Enactus | IIT Bombay Chapter (Sept '20 - Apr '21)

- Analyzed shortcomings in the healthcare sector and interviewed **10+** NGOs to identify possible solutions
- Assisted in developing a sustainable **business model** for telemedicine system in collaboration with **MedCords**

Junior Engineer | Hyperloop, IIT Bombay ('20)

- Reached the **finals** of the '**European Hyperloop Week**' out of **20+** teams from all over the world
- Designed a **hybrid-braking** system to **decelerate and stabilize** the pod at velocities reaching **Mach 1**

ACCOLADES & EXTRACURRICULAR ACTIVITIES

Scholastic	<ul style="list-style-type: none">Secured 99.74 Percentile in JEE Mains and 99.26 Percentile in JEE AdvancedAmong the top 1% candidates to qualify for INChO out of 35k+ studentsCompleted Green belt programme on Lean Six Sigma certified by KPMG
Finance	<ul style="list-style-type: none">Represented IIT Bombay at the Bombay Stock Exchange stock trading eventAwarded the best market maker among 100+ students in flow trader simulation
Sports	<ul style="list-style-type: none">Secured 1st position out of a batch of 1000+ freshmen in the Squash OpenCompleted year long training in Squash under National Sports Organization
Cultural	<ul style="list-style-type: none">Protagonist in the freshmen drama conducted by Chemical Department, IIT Bombay