



Harsh Karnani
Economics
Indian Institute of Technology Bombay

20D170013
B.S.
Gender: Male
DOB: 16/6/2002

Examination	University	Institute	Year
Graduation	IIT Bombay	IIT Bombay	2024

Pursuing a **Minor** degree in **Applied Statistics** from the Department of Mathematics, IIT Bombay

Scholastic Achievements

- Currently holding **Department Rank 5** in Under-graduate program of Department of Humanities and Social Sciences [2022]
- Awarded a merit-based **Branch Change** to **BS in Economics** for exemplary performance from a batch of **1300+** students [2021]
- Awarded the **Perfect Grade point (AA)** grade in **5** courses for exemplary academic performance [2020 - Present]
- Secured **99.62** percentile in Joint Entrance Examination-Main examination amongst **1.1 million** candidates [2020]
- Achieved **98.38** percentile in Joint Entrance Examination-Advanced examination amongst **0.2 million** candidates [2020]

Positions Of Responsibility

Mentor | Finsearch Competition | Finance Club, IIT Bombay [Jul' 22 - Present]

- Mentored **20+** participants on the topic "Understanding **trading of currencies** and **commodities in stock market**" with an aim of sharing learnings based on financial research and market dynamics across various **asset classes** and their correlation
- Assisting on Final report and presentation preparation aimed at summarising the research on the above topic via case studies

Sector Head | Investment Team, IIT Bombay [Jul'22- Present]

*Orchestrating a team of **21** enthusiastic students focused in finance and investment with a vision to create student run fund*

- Ideated a revamped **3-tier** hierarchy team structure to ensure efficient management of the team's fund
- Strategized the deployment of funds across asset classes in the real markets to promote the culture of investing
- Ideated and executed the workshop for the team to acquaint students with the basics of asset classes, investing, and trading

Professional Experience

Research Intern | Orim Advisors Pvt. Ltd [May'22 - Jun'22]

- Constructed strategies for risk management such as covered call, ratio spread, etc through derivative products
- Achieved Return on Investment of **7.5%** on investment amount vs benchmark returns of **-5%** in the same period
- Created **Daily** and **weekly** market outlook reports based on **price action**, **derivative data**, **multi asset class** analysis
- Analysed various parameters such as **VIX**, **DX** etc against the asset class returns and derived conclusions from the same
- Performed **Portfolio optimisation** of **15** stocks portfolio using Microsoft Excel model based on **Modern Portfolio theory(MPT)**

Key Projects

FinSearch Competition | Finance Club-IITB | AngelOne [Jun'21 - Aug'21]

- Researched on the topic **fundamental versus technical analysis** with a team of **3** enthusiastic members
- Implemented above mentioned theories on **Suzlon Energy** as a **case study** in order to find the cause for its major crash
- Presented a PPT on the above topic and were ranked among top **15%** out of **154** teams in **final** Round of the competition

Option Tracker | Self Project [Jul'22 - Present]

- Collecting live **Nifty Option Data** via **web scraping** and analysing data based on parameters such as **Implied Volatility**, **Open Interest**, **Change in Open Interest**, **Put Call Ratio(PCR)**, **Change in OI PCR**, **Max Call & Put OI strikes** across strikes and expiries
- Determining **market direction**, **price levels**, market sentiment as a confirmation to Chart analysis and price movement
- Plan to expand the underlying securities to major **Indices** such as **BankNifty**, **Finnifty**, **MidCap Nifty** and stocks listed in F&O

Courses and Technical Skills

- **Programming:** C++, Python, Excel, SQL
- **Finance:** Financial Modelling, Trading, Investing, Risk management, Chart Analysis
- **Key Courses:** Introduction to Derivative Pricing, Probability-I, Linear Algebra, Money & Banking, Computer Programming and Utilisation, Intermediate Macroeconomics I&II, Intermediate Microeconomics I&II