



Divyanshu Kashyap
 UG (III Year I Semester)
 B.Tech. (Production and Industrial Engineering)
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Area of Interest

Entrepreneurship and Startups, Quantitative Finance, Algorithmic trading, Strategic Business Development

Education

Year	Degree/Examination	Institution/Board	CGPA/Percentage
2024	B.Tech. 2nd Year	Indian Institute of Technology, Roorkee	6.420
2021	Intermediate (Class XII)	Kendriya Vidyalaya Sector VIII RK Puram ND	95.60 %
2019	Matriculate (Class X)	Kendriya Vidyalaya Sector VIII RK Puram ND	94.00 %

Internships

- Developer Intern** | VT Capital Market Pvt. Ltd. March 2024 - Present
 - Automated and deployed option selling strategies, incorporating spike-tolerant mechanisms to enhance stability.
 - Created an in-house backtesting tool, now a vital asset for the 1500 Cr AUM firm, cutting research time by 25%.
 - Integrated portfolio risk management tool which limits illiquid trades, places hedges and reduces strategy VAR by 30%.
- Algorithm Developer** | Resoenix Capital Private Limited November 2023 - January 2024
 - Employed options strategies in Indian and American markets, yielding a 12% profit in 2 months on 10 lakh invested.
 - Executed statistical arbitrage and commodities (natural gas and crude oil) based strategies with drawdown under 7%.
 - Deployed Python-based automated trading systems using Interactive Broker, XTS symphony and Kite APIs.
- Quant Developer** | AlgoEase | Tinkering Lab at IIT Roorkee October 2023 - January 2024
 - Developed 14 cash market trading algorithms, achieving over 80% portfolio gain in 3 months.
 - Applied DTW, KNN, Gann Cycles, ATR and Heiken Ashi in strategies; used GARCH-based Monte Carlo for risk optimization.
 - Enhanced performance and risk management through factor modelling and regime shift strategies.

Projects

- Stock Sentiment Analysis Using Machine Learning** | Finance Club | IIT Roorkee May 2024 - June 2024
 - Developed a trading bot with the XLM-RoBERTa model to analyze Reddit sentiment, achieving 95.5% accuracy.
 - Integrated Reddit API and Kite API for data retrieval and sentiment-driven trading decisions on targeted stocks.
 - Applied statistical algorithms, boosting returns by 40% through enhanced trading strategies.

Awards / Scholarships / Academic Achievements

- Global Rank 169 | International Quant Championship 2023 Stage 2 | Worldquant
- 3rd Position - Open Track | Syntax Error | SDS Labs | IIT Roorkee

Skills

Computer languages Python, C++, C, C#, PostgreSQL, Pine Script
 Software Packages Git/Github, Linux, VS Code, Interactive Broker, Kite API, XTS Symphony API, Stoxxo, Bakinzo
 Additional Courses Quantitative Finance, Time Series Analysis, ML algorithms, Data Analytics, Application of LLMs
 Languages Known Hindi (SRW), English (SRW)

Positions of Responsibility & Extra Curriculars

- Bhawan Secretary** | Rajendra Bhawan | IIT Roorkee November 2022 - June 2023
 - Led an 11-person council overseeing food, administration, and cultural affairs in a hostel housing 1,100 students.
 - Directed musical nights and Bhawan Day, hosting 1,500+ students in the presence of the Director and Deans of IIT R.
 - Organized Intra Bhawan Sports event with 500+ unique participants, coordinating logistics and team efforts effectively.
- Bhawan Secretary** | Jawahar Bhawan Council | IIT Roorkee August 2023 - February 2024
 - Led Jawahar Bhawan Council, and oversaw Hostel management.
 - Organised musical night and renovated gym and gaming facilities.
- Senior Manager** | E-Summit '24 | E Cell | IIT Roorkee May 2023 - April 2024
 - Organised event named Investors Vista hosting over 150 participants.
- Participant** | Makers | SDS Labs | IIT Roorkee February 2023 - March 2023
 - Built a chatbot based on GPT 3.5 utilizing the retrieval-augmented generation (RAG) through the LangChain framework.
 - Used prompt engineering to mitigate hallucination and implemented evaluation metrics for accuracy quantification.
 - Created a scalable solution with a clean and efficient codebase on GitHub, featuring UI developed using Gradio.
- Worldquant Brain Consultant** | WorldQuant LLC June 2023 - Present
 - Ideated, backtested, analysed and optimised 20+ alpha strategies with up to 120% returns and a Sharpe ratio from 1.5 to 2.8+ (with a pairwise correlation less than 0.7) for the USA equity market.
 - Automated backtesting process using the platform API enabling evaluation and parameter adjustment.