

Examination

Dhananjay Kumar **Civil Engineering Indian Institute of Technology Bombay**

University

200040043 B.Tech. Gender: Male

DOB: 21/08/2001

Year

CPI / %

Examination	University	Institute	Year CPI/%
Graduation	IIT Bombay	IIT Bombay	2024
	PR	OFESSIONAL EXPERIENCE	
FOCUS ENERGY	 Quant Research Analyst Internship Conducted extensive research on over 20 intraday trading strategies under the mentorship of traders Learnt the implementation of Delta-Neutral strategies (Strangles, Straddle, Butterfly, Calendar, Ratios) Backtested the modified strangle using BankNifty options data & achieved the monthly return of 3.5% Modelled and executed the strategy on the simulated trading system & generated weekly 1.5% returns 		
WORLDQUANT	Brain Research Consultant Consultant [Apr'23 – Jun'23] ■ Developed scalable alpha (long-short), aimed at increasing returns & minimizing drawdowns for equity ■ Indicators used to define alpha are market cap, revenue, profit, dividend and equity is focused market		
	FINANCI	AL PROJECTS & COMPETITIONS	
OPTIONS PRICING THEORY	 Developed custom termina 	BPS Tech live data of Bank Nifty, storing it efficiently I to compare real-time premiums with Bla difference Live graph visualization Sugges	ck-Scholes Model options pricing
ALGORITHMIC TRADING	 Developed code implement Combined the generated in Generated the 10% monthl 	ourse Project Guide: Prof Biplab Banerjee tations for various indicators like MA, EMA adicators signals to make right decisions or by return on live trading using the signal ge	A, RSI, MACD, and Bollinger Bands n buying, selling or holding stocks
PORTFOLIO OPTIMIZATION	 Utilize Modern Portfolio Th 	ect nulation to simulate various future scenar neory to optimize portfolio & Markowitch d on the Markowitz Bullet to create a well	bullet (risk-return trade-off curve)
DEEP LEARNING	 Deployed Relu in the hidde 	employing the ANN deep learning model on layer & Sigmoid activation function to go	
WORLDQUANT	International Quant Champion Grabbed the position in the	onship 2023 Competition e top 20% of the participant globally in IQC	[Mar'23-May'23] S stage 1
	CERTIFICATIO	ONS & SCHOLASTIC ACHIEVEMENT	S
SCHOLASTIC		Hindustan Talent Award (10 th)	
BLOOMBERG JP MORGAN	Bloomberg Market Concept (Studied the important econ Learned around 50+ Bloom	grade awarded for exemplary performanc [BMC] Certification course nomic indicators, currency, fixed income, of the berg terminal functions which are used to JP Morgan like Asset Management, Marke	[May'23–Aug'23] equity and derivative markets o extract the data to analyse trend
		AND ORGANIZATIONAL EXPERIENC	<u> </u>
AAKAAR IIT BOMBAY Leadership	Core Team Member Compe Technical fest of Civil Enginee		[Jun'22 – Jul'23] t: 5M+ / 30+ events /Reach 0.5M+
Initiatives	Expanded CiviQ Zonal to volSpearheaded the ideation a	arious metro cities & launched multicity in and execution of a 3phase competition LO ic, ConquerIT, BridgeIT, CiviQ Zonals, MSE N	ncreased 60% y-o-y participations GIQ 10k countrywide participant
E-CELL IIT BOMBAY	Marketing Coordinator E-Co ■ Executed Eureka (BMC Com	ell IIT Bombay petition), Social Media Publicity, Networ	[Jun'21-May'22] king with Startups & Professional
	TECHNICAL	SKILLS AND EXTRA-CURRICULAR	
TECHNICAL	 Libraries: NumPy, Pandas, NumPy 	ython, C++/C, SQL, HTML, CSS Trading Toc Matplotlib, Yfinance, Keras Software: Exce	el, Git & GitHub, Tableau, PowerBl
COURSES		hms, Machine Learning, Calculus and Lin	
MENTORING	 Probability & Statistics, Economics, Corporate-Finance, Sociology, and International Competitiveness FinSearch Mentor Mentored teams on project "How bankruptcy and insolvency affect stock market" EnB Buzz Mentor Guided 3 teams to compete in BMC competition organized by EnB Club, IIT Bombay 		
SOCIAL		NSS) Volunteered by taking participate in	

■ Sports | Badminton & Swimming Hobbies | Reading book on finance, part time trading, solving puzzle

Institute