

Ameya Parekh Mathematics Indian Institute of Technology, Bombay 19B090002

B.S.

Gender: Male DOB: 19-07-2001

Examination	University	Institute	Year (CPI / %	
Graduation	IIT Bombay	IIT Bombay	2023		
Scholastic Achievements					
• Currently Dep	partment Rank 3 in BS	Mathematics		(2021)	
• Secured All India Rank 1631 in IIT JEE-Advanced out of 224,000 candidates			S	(2019)	
• Achieved 99.65 percentile in JEE-Main out of 1.1 million candidates				(2019)	
 Appeared for Pre-RMO and qualified for RMO 				(2017)	
- Received \mathbf{A}^* (highest possible grade) in all 9 subjects in 10th \mathbf{IGCSE} Board example \mathbf{A}^*			mination	(2017)	
• Secured AIR	1 in BSE International	Finance Olympiad		(2016)	
_		an Mathematics Competition (NEAN	,	(2016)	
_		matical Logic at the Johns Hopkins Un	iversity, Baltimore	e(2015)	
Project					
Equity Portfol Self Project	io Optimization		Summe	er 2021	
	price data of 4 leading to	ech firms of the last decade			
• Performed a Monte Carlo simulation in Python to find the optimum portfolio by maximizing Sharpe Ratio					
• Produced a M	arkowitz Bullet for the	portfolio based on Modern Portfolio Th	neory		
Mean Reversion Trading Strategy			Winter	Winter 2020	
Self Project	1 . 1 . 1		D III D I	DCI	
 Read about various technical indicators like Moving Averages, EWMA, Crossovers, Bollinger Bands, RSI Screened securities with the condition that they follow a sideways market 					
		Python to give buy/sell signals based on	tochnical indicate	arc.	
		years and obtained 54.2% aggregate ret		115	
	precasting of milk price	•		er 2020	
Online Course P	_	55	Summe	er 2020	
	*	Test on milk price data to check if it is s	stationary		
		stationary by reducing trend and seasons	-		
		ning set and tested it for future prices achie		98.3%	
Touchless Doo	rbell		Summe	er 2020	
Institute Technic	eal Summer Project		Tinkerers' Lab, IIT B	Bombay	
• Built a touchle	ss doorbell using Arduino	to help reduce the spread of COVID-19			
TECHNIC	al Skills				
Programming	g Python, C++,	Arduino, SQL			
Software and	Tools LATEX, MS Off	ice, AutoCAD, Numpy, Pandas, Matplotlik	o		
Position	S OF RESPONS	IBILITY			
Organiser, Mo			Autum	n 2019	
	llege cultural festival			Bombay	
		asorship for various events as part of market	eting team of Mood	Indigo	
• Handled spons	or representatives of various	ous brands			
EXTRACU	RRICULARS				
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- Completed a **Finance 101** bootcamp conducted by IIT Bombay and learnt various topics like **Personal Finance**, **Intro to Trading**, **Intro to Investing**, etc (2021)
- Active member of IITB Aquatics team, selected for annual sports fest Aavhan and Inter-IIT camp
- Bagged two silver medals in the Inter Hostel Swimming Competition organised by IIT Bombay (2019)
- Participated in various interschool MUNs like ABMUN, BD Somani MUN and Cathedral MUN(2014-16)
- Selected (among 10 contestants of Harvard MUN) to visit Mercedes Benz Centre of Excellence, Pune (2015)
- Won Area Level Finals of **Geeta Chanting Competition** 2014, 2015, 2016, each year; conducted by Chinmaya Mission Mumbai (2014-16)
- Interned at the NGO Magic Bus in their Program Department (2016)
- Participated in a **cyclathon** by **Mpower** to raise awareness about mental health issues (2016)