

EDUCATION

Since 2019	NMIMS University , Master's in Business Administration <i>Mumbai / India</i> Major in Technology Management with a specialisation in Finance Minor in Business Analytics Co-authored a book chapter titled "Evolution of Capital Asset Pricing Model (CAPM)" in "Technology, Business and Management in Dynamic Era" (ISBN - 978-93-91044-51-0) Link <ul style="list-style-type: none"> Evaluated accuracy of CAPM return based on forecasted data against the traditional method which is based on historical data.
Since 2019	NMIMS University , Bachelor of Technology <i>Mumbai / India</i> Major in Computer Engineering Final Year Project – Suspicious Fishing Activity Detection using Machine Learning <ul style="list-style-type: none"> Performed data analysis and feature engineering using Python, Excel, and Tableau to create a novel labelled dataset with more than 50,000 samples of AIS disabling events. Achieved a testing recall of 80% by implementing several Machine Learning Algorithms. Review paper accepted by the International Conference on Intelligent Computing and Networking. Research paper currently in the pre-print stage. DOI Link
2019	The New Tulip International School , CBSE Class 12 th <i>Ahmedabad / India</i> Score – 86.2%

PROFESSIONAL EXPERIENCE

2023 (2 Months)	Piramal Capital and Housing Finance Ltd. <i>Mumbai / India</i> Data Analyst Intern <ul style="list-style-type: none"> Forecasted the prices of 7 sectoral indices using Macroeconomic and Sector-Specific Factors. Conducted Feature Engineering, Granger Causality, and Time Series Analysis for each sector. Built a regression model with adjusted R Square in the range of 84% to 96% for all sectors.
2023 (2 Months)	Bonanza Portfolio Ltd. <i>Mumbai / India</i> Equity Research Analyst Intern <ul style="list-style-type: none"> Crafted a financial model on Tata Motors Ltd. using Discounted Cash Flow (DCF) valuation method seeing an upside of 15%. Back tested a proprietary software and suggested 15+ bug fixes and UI changes.
2022 (2 Months)	Hurix Digital <i>Mumbai / India</i> Angular Developer – Kitaboo <ul style="list-style-type: none"> Spearheaded the development the admin dashboard using Angular and related languages. Designed front-end, integrated back-end APIs, and implemented web app functionalities. Star of the Month in a company with 40+ people.
2020 – 2021 (19 Months)	Valnet Studio <i>Remote / India</i> Video Editor <ul style="list-style-type: none"> Edited several videos using Adobe Premiere Pro and Adobe After Effects for the YouTube Channel called CBR (3.9 million subscribers) with videos crossing 1 Million + views.

PROJECTS

2023	Portfolio Allocation <ul style="list-style-type: none"> Developed a Python program to determine the most efficient portfolio allocation based on various financial models - Markowitz Efficiency Frontier, Sharpe's Optimal Portfolio, CAPM and Arbitrage Pricing Theory. Utilised Sharpe's Ratio, Treynor Ratio and Jensen's Alpha to find the optimal portfolio.
2023	Options Strategy Back testing <ul style="list-style-type: none"> Automated the task of options strategy building with options using Python - data extraction, payoff chart and final P&L, based on option strike prices and maturities as inputs.
2019	IIT Gandhinagar, Centre for Creative Learning <i>Gandhinagar / India</i> <ul style="list-style-type: none"> Designed and created several 3-D Puzzles and a working model of a musical box in AutoCAD. Distributed MDF-based problem-solving kits to schools in Gujarat, fostering creative learning

EXTRA-CURRICULAR & CERTIFICATIONS

Certifications	National Institute of Securities Markets (NISM) Series XV Research Analyst & Series VIII Equity Derivatives. Rank 14 globally in the SAS Curiosity Cup which had participants from 16 different countries. Microsoft Training Associate for programming using JavaScript
Extra-Curricular	NMIMS University - Co-Founded the CodeChef Committee for Competitive Programming. Mayo College - President of the Computer Society and Editor-in-Chief of the Film Making society. Delegate for a Student Exchange Programme at Lycée Guy Mollet, a school in Arras, France
Hobbies	Video Editing – Made a personal YouTube channel that has over 1.7 Million + views. Photography – Made an Instagram account with over 1,200 followers.
Sports	Squash - Participated in National, State, and Inter Public School Conference squash tournaments.
Languages	English (Bilingual), French (Intermediate), Hindi (Mother Tongue)