

**EDUCATION**

Since 2019	<b>NMIMS University</b> , Master's in Business Administration <span style="float: right;"><i>Mumbai / India</i></span> Major in Technology Management with a specialisation in Finance Minor in Business Analytics <b>Co-authored a book chapter titles "Evolution of the Capital Asset Pricing Model (CAPM)" currently under consideration for publication.</b> <ul style="list-style-type: none"> <li>Evaluated accuracy of CAPM return based on forecasted data against the traditional method which is based on historical data.</li> </ul>
Since 2019	<b>NMIMS University</b> , Bachelor of Technology <span style="float: right;"><i>Mumbai / India</i></span> Major in Computer Engineering <b>Final Year Project – Suspicious Fishing Activity Detection using Machine Learning</b> <ul style="list-style-type: none"> <li>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.</li> <li>Achieved a testing recall of 80% by implementing several Machine Learning Algorithms.</li> <li>Review paper accepted by the International Conference on Intelligent Computing and Networking.</li> <li>Research paper currently in the pre-print stage. <a href="#">DOI Link</a></li> </ul>
2019	<b>The New Tulip International School</b> , CBSE Class 12 <sup>th</sup> <span style="float: right;"><i>Ahmedabad / India</i></span> Score – 86.2%

**PROFESSIONAL EXPERIENCE**

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

**PROJECTS**

2023	<b>Portfolio Allocation</b> <ul style="list-style-type: none"> <li>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.</li> <li>Utilised Sharpe's Ratio, Treynor Ratio and Jensen's Alpha to find the optimal portfolio.</li> </ul>
2023	<b>Options Strategy Back testing</b> <ul style="list-style-type: none"> <li>Automated the task of options strategy building with options using Python - data extraction, payoff chart and final P&amp;L, based on option strike prices and maturities as inputs.</li> </ul>
2019	<b>IIT Gandhinagar, Centre for Creative Learning</b> <span style="float: right;"><i>Gandhinagar / India</i></span> <ul style="list-style-type: none"> <li>Designed and created several 3-D Puzzles and a working model of a musical box in AutoCAD.</li> <li>Distributed MDF-based problem-solving kits to schools in Gujarat, fostering creative learning</li> </ul>

**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	<b>NMIMS University</b> - Co-Founded the CodeChef Committee for Competitive Programming. <b>Mayo College</b> - 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	<b>Video Editing</b> – Made a personal YouTube channel that has over 1.7 Million + views. <b>Photography</b> – Made an Instagram account with over 1,200 followers.
Sports	<b>Squash</b> - Participated in National, State, and Inter Public School Conference squash tournaments.
Languages	English (Bilingual), French (Intermediate), Hindi (Mother Tongue)