

Anmaya Agarwal

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EDUCATION

NARSEE MONJEE INSTITUTE OF MANAGEMENT STUDIES UNIVERSITY 2019 - 2024
B. Tech. in Computer Engineering + MBA in Technology Management CGPA - 3.85 / 4.00

Co-authored a book chapter titled “Evolution of the Capital Asset Pricing Model (CAPM)” currently under consideration for publication.

- Evaluated forecasted rate of return using CAPM against traditional CAPM based on historical data.

Final Year Project - Suspicious Fishing Activity Detection using Machine Learning

- Performed data analysis and feature engineering using Python, Excel, and Tableau to create a labelled dataset with **more than 50,000 samples** of AIS disabling events.
- Modelled various Machine Learning Algorithms on the dataset and got a **testing recall of 80%**.
- Review paper accepted by the International Conference on Intelligent Computing and Networking.
- Research paper currently in the pre-print stage. [DOI Link](#)

Co-Founder of the CodeChef Committee for Competitive Programming

- Oversaw a team of **30+ students** at our university.
- Conducted several events to spread awareness about competitive programming.

THE NEW TULIP INTERNATIONAL SCHOOL 2017 - 2019
CBSE, Class 12th Score - 86.2%

MAYO COLLEGE, AJMER 2017
CBSE, Class 10th CGPA - 10.00 / 10.00

- **President** of the Computer Society and **Editor-in-Chief** of the Film Making society at my school
- Received the Old Boy's Scholarship for Excellence in Academics **3 times**.

PROFESSIONAL EXPERIENCE

PIRAMAL CAPITAL AND HOUSING FINANCE LTD. (Data Analyst Intern) July 2023 - Sept 2023

- Forecasted the prices of **seven 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.

BONANZA PORTFOLIO LTD. (Equity Research Analyst Intern) May 2023 - July 2023

- Developed a financial model on Tata Motors using Discounted Cash Flow (DCF) valuation method.
- Back tested a proprietary software and suggested some bug fixes and UI changes.

HURIX DIGITAL (Angular Developer) May 2022 - July 2022

- Spearheaded the development of Astra Studio (admin dashboard) using Angular and other languages.
- Developed front-end, integrated back-end APIs, and implemented web app functionalities.
- **Star of the Month** in a company with **40+ people**.

VALNET STUDIO (Video Editor) March 2020 - Oct 2021

- 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**.

VERZEO & IIT KHARAGPUR (Full-Stack Developer) May 2020 - July 2020

- Developed a mock full-stack web application for an interior designing company.

IIT GANDHINAGAR (Intern at Centre for Creative Learning) June 2019

- 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

- Made a personal YouTube channel that has over **1.5 Million + views**.
- Cleared National Institute of Securities Series XV Research Analyst & Series VIII Equity Derivatives.
- Attained rank 14 globally in the SAS Curiosity Cup which had participants from 16 different countries.
- Microsoft Training Associate for programming using JavaScript.
- Delegate for a Student Exchange Programme at Lycée Guy Mollet, a school in Arras, France.
- Participated in National, State, and Inter Public School Conference squash tournaments.