AAYUSH BARANWAL

ACADEMIC PROFILE

PGDM Finance	7.04 CGPA	Jagdish Sheth School of Management, Bengaluru	2023-2025
B.SC – MATHEMATICS HONS.	71.63 %	Bidhan Chandra College, Asansol, West Bengal	2020
Class XII (CBSE)	64.60 %	Kendriya Vidyalaya Sangathan, Andal	2017
Class X (CBSE)	80.00 %	Kendriya Vidyalaya Sangathan, Asansol	2015

AREAS OF STUDY

Advanced Fundamental Analysis and Portfolio Management, Business Valuation Private Equity, Derivatives, Financial Trading Labs, Technical Analysis, Alt. Investments, Corporate Finance, Investment Banking, Mergers and Acquisition and Financial Systems and Markets.

ACADEMIC PROJECT(S)

Comprehensive Financial Analysis of Garden Reach Shipbuilders & Engineering Ltd. (GRSE)

- Objective: To perform an in-depth financial analysis of GRSE by calculating and interpreting key financial ratios and metrics.
- Focus: Detailed evaluation of the company's financial health and performance through various ratio analyses and financial metrics.
- Methodology:
  - Data Collection: Downloaded and analyzed the balance sheet, income statement, and cash flow statements.
  - Ratio Calculations: Created individual sheets for various ratios, including Common Size Statements, Solvency Ratios, Liquidity Ratios Leverage Ratios, Year-over-Year (YOY) Return, Dividend Yield & Dividend Payout Ratio, DuPont Analysis,
  - Interpretation: Provided written interpretations for each ratio, offering insights into the company's financial position.

Outcome: Produced a comprehensive financial analysis, providing a clear understanding of GRSE's financial strengths & weaknesses.

Created Equity Research Report on Kaynes Technology India Ltd.

- Objective: To analyze the financial health, growth potential, and investment outlook of Kaynes Technology India Ltd. as part of an equity research assignment.
- Focus: The analysis centered on key financial metrics, including revenue growth, profitability, debt levels, and market performance. Special attention was given to the company's positioning in high-growth sectors like IoT, automotive, and aerospace.
- Methodology - Reviewed financial reports, stock performance, and industry trends.
  - Key metrics analyzed included revenue, EBITDA, net profit, P/E ratio, P/B ratio, and debt/equity ratio.
  - Compared Kaynes performance to industry peers and broader market trends.
- Outcome: - Evaluated major Business KPIs of the firm and performed detailed analysis to recommend a "BUY" rating for this stock.

Optimized Portfolio Construction Using NIFTY 200 Stocks

- Project Objective: To create an optimized investment portfolio that maximizes returns while minimizing risk, tailored to various risk appetites.
- Focus: Data-driven selection and diversification of top-performing stocks within the NIFTY 200 index.
- Methodology:
  - Collected and cleaned financial data for NIFTY 200 stocks using Python.
  - Performed clustering analysis to group stocks and selected top 5 from each cluster based on momentum.
  - Used Monte Carlo simulations to generate the efficient frontier and determine optimal stock weights.
  - Developed a Capital Allocation Line (CAL) for customizing portfolios based on investor risk profiles.
- Outcome: Delivered an optimized portfolio with tailored investment strategies, balancing risk and return effectively.

Evaluation of Active vs. Passive Investment Strategies in a Small-Cap Mutual Fund

- Project Objective: Compare the effectiveness of active portfolio management strategies versus a passive buy-and-hold approach.
- Focus: Small-cap mutual fund.
- Methodology:
  - Utilized back testing techniques.
  - Incorporated corporate action adjustments.
- Outcome: Analyzed performance differences between active and passive strategies.

CERTIFICATIONS

Series VIII: Equity Derivatives Certification	NISM (SEBI certified)	April 2024 - April 2027
Series XV: Research Analyst Certification	NISM (SEBI certified)	Sept 2024 - Sept 2027
Basics of Corporate Finance	Coursera	2024
Discounted Cash Flow Modelling	Coursera	2024
Excel Skills for Business: Advanced	Coursera	2023

ACCOMPLISHMENTS

Competition and Activities	- **PUBG Mobile (2019 - 2021):** Led a 4-person team for 2 years in PUBG Mobile custom matches, providing strategic guidance, coaching, and in-game leadership to achieve ranks, prizes, and recognition. - **Tutoring (2018 - 2020):** Provided private tutoring to high school (Class 12) students in mathematics during my BSc Mathematics studies. Successfully helped students grasp fundamental concepts, resulting in all students passing with very good marks.
SKILLS	- Technical /Fundamental Analysis, Microsoft Excel, Prowess, Python, Bloomberg Terminal