



Satyajee Mahato

MSc Financial Economics Student

Contact

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Professional Summary

Aspiring finance professional with a Computer Science engineering background and industry experience in application and product support. Currently pursuing an M.Sc. in Financial Economics, building strong expertise in financial management, markets, financial modeling, and statistical analysis. Experienced in analyzing financial data, building GARCH models, and applying the Markowitz portfolio optimization framework. Combines technical proficiency (R, SQL) with strong client-facing communication skills to deliver insights and solve complex financial/technical issues.

Skills

Programming Languages: R

Financial Skills: Financial Management, Futures and Options, Financial Modeling, Financial Statement Analysis

Data Analytics and Visualization:

Microsoft Power BI, Microsoft Excel

Statistical Skills: Hypothesis Testing, Linear Regression, Time Series Analysis

Soft Skills: Communication, Problem-Solving, Adaptability, Team Collaboration

Language

- English
- Hindi
- Odia

Education

Master of Science in Financial Economics	2024 - 2026
<i>Birla Global University, Bhubaneswar</i>	CGPA: 9.33
Bachelor of Engineering in Computer Science and Engineering	2017 - 2021
<i>Chandigarh University</i>	CGPA: 8.15
All India Senior School Certificate Examination (AISSCE)	2017
<i>Kendriya Vidyalaya Rourkela</i>	Percentage: 85.6
All India Secondary School Examination (AISSE)	2015
<i>Kendriya Vidyalaya Rourkela</i>	CGPA: 9.8

Experience

Associate Technology L1 Jan 2022 - Nov 2022
Publicis Sapient, Gurgaon

- Collaborated with the production team to troubleshoot, optimize, and resolve issues in software modules to meet client business requirements.
- Supported the deployment and integration of various modules, diagnosing and fixing bugs to ensure seamless system operations.

Business Intelligence Intern Jan 2021 - April 2021
Capgemini India, Bengaluru

- Developed interactive dashboards and automated reports using Power BI/Excel to track key business performance metrics, improving decision-making efficiency for the team.
- Analyzed large datasets to identify trends, patterns, and actionable insights, contributing to data-driven recommendations for process and performance improvements.

Internship

Summer Intern Jun 2025 - July 2025
NICL, Bhubaneswar

- Conducted a comprehensive market study to analyze customer segments and insurance product demand.
- Assisted the marketing team in gathering competitive insights and identifying regional market opportunities.

Internship Project: Market Analysis of General Insurance Products in Bhubaneswar Region

- Analyzed demand trends for motor, health, and fire insurance products across different customer segments.
- Compared NICL's product offerings with private insurers to identify gaps in coverage, pricing, and customer appeal.
- Prepared insights on marketing opportunities and potential areas for improving product reach.

Academic Projects

Portfolio Optimization using Markowitz Model

- Use Markowitz model to optimize for the highest Sharpe ratio in two-asset portfolio
- Understand what the efficient frontier is and how it is applied in portfolio management.
- Calculate variance and Sharpe ratio for two-asset portfolio.

Volatility Modeling in R

- Built a Time Series GARCH model in R to capture volatility clustering in NSE index returns.
- Generated and plotted a 30-day volatility forecast to assess market risk implications.