

Archit Roy

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EDUCATION

ICFAI Foundation for Higher Education

Hyderabad

Bachelor of Arts in Economics

Aug 2023 – Present

Relevant Coursework: Microeconomics, Macroeconomics, Econometrics, Financial Markets, Public Finance, Mathematical Analysis for Economists

EXPERIENCE

EDIGITECH

Remote

Market Research Data Analyst Intern

June 2025 - July 2025

- * Conducted a secondary market research study on Indian technology firm operating in AI/ML, data engineering, and indigenous security solutions.
- * Collected, cleaned and standardised datasets from company websites, industry reports and news sources using Microsoft Excel (VLOOKUP, INDEX-MATCH, conditional formatting)
- * Performed SWOT analysis and competitor benchmarking to assess growth potential and strategic fit
- * Prepared analytical summaries and data-backed recommendations to support internal decision-making

PROJECTS

Sensex & Nifty Market Analysis |

- * Conducted comparative time-series analysis of India's benchmark equity indices to study price trends, returns, and volatility
- * Analyzed historical market data using Excel and Power BI to visualize performance patterns and risk dynamics
- * Interpreted risk-return patterns to compare relative stability and performance between Sensex and Nifty indices
- * Computed daily returns, cumulative returns, and rolling volatility to assess short-term risk dynamics and market shocks

Quant Stock Screener | SQL Based

- * Built a rule-based equity screening system using SQL to filter stocks based on valuation, momentum, and liquidity criteria
- * Designed queries to identify investment candidates using structured financial data
- * Demonstrated the use of SQL for financial data extraction, filtering, and analysis in an equity research context

Inflation & Cost of Living Analysis |

- * Analyzed Consumer Price Index (CPI) trends to study changes in inflation and purchasing power over time
- * Examined the impact of inflation on household cost of living using macroeconomic indicators
- * Linked empirical findings with economic theory to evaluate inflation's implications for living standards

Risk & Return Analysis Across Asset Classes |

- * Studied diversification benefits and volatility across multiple asset classes using historical market data
- * Evaluated risk-return trade-offs to understand portfolio performance under varying market conditions
- * Applied portfolio theory concepts to analyze how asset allocation influences volatility and performance
- * Examined correlations between assets to understand their role in reducing overall portfolio risk

TECHNICAL SKILLS

Data Analysis & Tools: Excel, Power BI, SQL

Economics & Finance: Time-Series Analysis, Risk-Return Analysis, Inflation Analysis, Cost of Living Analysis, Portfolio Diversification, Equity Markets

Reporting & Visualization: Dashboard Creation, Data Visualization, Financial Reporting

Databases & Querying: SQL Queries, Data Filtering, Rule-Based Screening