

Summer of Science, IIT Bombay

# Algorithmic Trading



## Timeline-

- **12th May-** PoA submission
- **15th June-** Midsummer report submission
- **15th July-** Final report and video submission

## Platforms for Backtesting-

- TradingView
- Streak
- Python

## Suggested Roadmap

- Introduction to Stock Markets
- Introduction to Algorithmic Trading
- Selecting a Trading Strategy
- Backtesting the strategy and reviewing its results

## References/Resources

1. [Introduction to Stock Markets – Varsity by Zerodha](#)
2. [A step-by-step guide on how to learn algorithmic trading](#)
3. [Python for Finance Tutorial: Algorithmic Trading | DataCamp](#)
4. [Algorithmic Trading Strategies: Basics to Advanced Algo Trading Strategies](#)
5. [Backtesting – Indicators and Signals – TradingView – India](#)
6. [Pine Script \(TradingView\) - A Step-by-step Guide - AlgoTrading101 Blog](#)
7. [Backtesting · PyPI](#)
8. [Backtesting Trading Strategies in 5 Simple Steps Using Python | Algorithmic Trading | The Startup](#)
9. [Ultimate List of Automated Trading Strategies You Should Know – Part 1 | by Alpaca](#)
10. [Basics of Algorithmic Trading: Concepts & Examples](#)
11. [Pairs Trading Basics: Correlation, Cointegration And Strategy](#)