

ATHARVA SATYAWAN NARALE

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SUMMARY

Motivated and disciplined Computer Science Engineering student at JSPM's BSIOTR, passionate about algorithmic trading, fintech, and software development. Skilled in Python, Java, and Data Structures, with a strong foundation in problem-solving and system thinking. Eager to contribute to real-world projects, explore AI-driven financial systems, and continuously improve technical and leadership skills.

PROJECTS & INITIATIVES

Algorithmic Trading Systems

- Developing Python-based scripts to automate cryptocurrency and forex trades.
- Exploring Smart Money Concepts (SMC), Supply & Demand, and Fair Value Gaps (FVG) for market analysis.

Guidely-Carrer Path mapping System

- Developed an AI-assisted system that generates personalized career path maps for students.
- Implemented a hybrid recommendation model combining quiz-based profiling and algorithmic logic.
- Helped visualize suitable academic and professional tracks using data-driven insights.

Portfolio Optimizer

- Created a Portfolio Optimization Web App to analyze multi-asset portfolios.
- Implemented Monte Carlo simulations and computed Sharpe, Sortino, Beta, Alpha, and Covariance metrics and standard results.
- Integrated real-time market data from yfinance for stocks, crypto, forex, and commodities.
- Designed an interactive UI with charts and allocation visualization for user-driven decision making.

EDUCATION

SNBP Jr College

2022 - 2024

- Subjects: Physics, Chemistry, Biology, Mathematics

JSPM's Bhivarabai Sawant College of Technology & Research

2024 - 2028

- Coursework: Python Programming, Data Structures & Algorithms, Java, Object-Oriented Programming, Database Management Systems
- Activities: College Chess Captain (1st Year), Design Thinking Project – Investment Advice System using Fundamental Analysis

TECHNICAL SKILLS

- Programming: Python, Java, C, C++, Javascript.
- Concepts: Data Structures & Algorithms, OOP, Fundamentals of ML
- Tools: VS Code, Jupyter Notebook
- Trading Knowledge: Technical Analysis, SMC, FVG, Supply-Demand, AMD.