

SIDDHARTH KAKADE

[GitHub](#) | [LinkedIn](#) | [Mail](#) | 9665148091

EDUCATION

Pimpri Chinchwad College Of Engineering
B.Tech, Information Technology

Aug 2022 - Current
GPA: 7.55

PROFESSIONAL EXPERIENCE

17 – A Hedge Fund (Self-Founded)

Founder / CFO / Developer

Remote (Pune)
Feb 2023 - Present

- Pioneered and architected an enterprise-grade quantitative hedge fund, engineering mission-critical trading systems from zero → production.
- Engineered a high-throughput research pipeline processing 250K+ market datapoints, enabling ML-driven alpha extraction with ~14–18% strategy accuracy gains.
- Designed a risk framework (VaR, volatility-scaling, drawdown control) that reduced downside exposure by >22% in backtests.
- Built automated execution & monitoring infrastructure delivering ms-level latency and 24/7 production reliability, cutting operational overhead ~35%.

Savvy Merit

Finance Research Analyst Intern

Remote (Pune)
Aug 2025 - Sept 2025

- Analyzed multi-sector equities using structured valuation frameworks (DCF, relative multiples), improving research precision by ~20–25% across weekly reports.
- Architected data-driven models in Excel/Python to process 10K+ datapoints, enabling faster, more accurate comparative analysis for senior analysts.
- Spearheaded risk-return assessments using volatility profiling and benchmark tracking, strengthening investment rationale for shortlisted assets.

SKILLS

Languages & CS Foundations: Python, JavaScript/TypeScript, C, SQL/MySQL, MongoDB, Bash | Data Structures & Algorithms, OOP, OS & Networking Basics

Software, Cloud & Data Systems: HTML/CSS, React/Next.js, Node.js, FastAPI, Flask | REST/WebSockets, Microservices, System Design, Linux, Docker, Kubernetes | AWS

ML, Quant & Analytics: PyTorch, TensorFlow, Keras, Scikit-learn | Time-Series, Statistical Modelling, Feature Engineering, Ensemble Models (RF, XGBoost, Gradient Boosting), Linear/Logistic Regression, Backtesting, Model Evaluation | SQL Analytics, Data Visualization (Matplotlib, Plotly, Seaborn), Git/GitHub, Jupyter, Google Colab, Deep Learning, Neural Networks

PROJECTS

Bitcoin Market Microstructure Analysis & Statistical Trading Models (40+ Models) | [GitHub](#)

- Processed 10+ years of high-frequency BTC data (millions+ points) and engineered 40+ statistical models, achieving 12–19% predictive lift in key microstructure setups.
- Built cross-session algorithms (Tokyo/London/NY/Sydney) revealing 25–40% higher win-rate patterns, supported by a 28% more accurate execution-realistic backtesting system.
- Developed multi-layer signal pipelines combining order flow, imbalance metrics, and temporal behaviour, improving out-of-sample signal stability by ~22%.

Real-Time Multi-Exchange Funding Rate Arbitrage System | [Link](#) | [GitHub](#)

- Processed 10 requests/second across 17+ exchanges with a low-latency detection engine achieving p95: ~48ms and p99: ~50ms, enabling real-time funding-rate arbitrage identification.
- Engineered a multi-threaded API pipeline that reduced fetch latency by 75%, scaling reliably to 2500+ trading pairs with continuous 24/7 uptime.
- Built an intelligent alerting system delivering instant Telegram notifications with automated signal filtering for high-confidence opportunities.

Some Other Projects | [GitHub](#)

- Esports Performance Analytics Platform , Financial Fraud Detection Model , ML-Driven Price Prediction Systems , Spotify Wrapper , Reddit Sentiment Analysis , Neural Network Gaming , Games In React , Portfolio Website

ACHIEVEMENTS

- **MHT-CET:** Secured Top 2,500rank in PCM group (98.65 percentile) and Top 1,500rank in PCB group (99.03 percentile).
- **Portfolio Website:** [A Jack Of All Trades Is A Master Of None, But Oftentimes Better Than A Master Of One.](#)