

Gowtham Kuntumalla

Quantitative Researcher and Trader

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Professional Experience

Forest Creek Capital LLC

Quantitative Research Analyst

Dallas, TX

Jun 2020–Present

- **Desk leadership.** Joined reporting directly to the co-founder/portfolio manager; earned broader strategy and operating responsibility and, since 2025, have co-led a commodity trading desk.
- **Strategy ownership.** Systematic strategies I developed or managed generated about \$18M in total lifetime P&L: \$13M+ from owned strategies and \$5M+ from legacy strategies I later managed. A \$10M+ flagship family I developed remains the desk's top earner; the desk delivered about 130% annualized RoC on allocated capital.
- **Strategy advancement.** Redesigned multiple live strategies in 2025 through new signals, portfolio construction, shadow testing, and controlled deployment; bid volume fell 33%, while H2 P&L rose to \$1.8M, more than 10x the H1 result.
- **Applied research.** Built and deployed a pair of machine-learning strategies to production in four months using DNN quantile valuation, scenario-CVaR optimization, out-of-sample testing, and staged scaling.
- **Market expansion.** Co-launched a new trading desk from the ground up; built pricing models, optimization-based risk, and automated trading infrastructure; traded every auction through 2025.
- **Risk performance.** Built collateral, credit, and position controls; owned strategies delivered a 2.2 annualized Sharpe and 0.22 ROVaR5 over Jun 2020–Sep 2026 on daily P&L and recovered an 11% drawdown in 56 days after a severe winter event.
- **Research platform.** Principal maintainer for 5.5+ years of a Python library imported by 35%+ of production modules across five markets; authored and integrated hundreds of complex changes spanning trading, risk, data, tests, and infrastructure.
- **Infrastructure and applied AI.** Co-led legacy Python/GCP modernization, improving research and production throughput and disaster recovery; championed firmwide AI adoption, built the firm's first MCP server, and deployed Claude agents for public-market alerts.
- **People leadership.** Trained 6 junior quantitative analysts, including 4 direct reports, into production ownership of risk systems, trading, and desk reporting.

Internships & Research Experience

Uber Technologies Inc.

Engineering Intern, New Mobility

San Francisco, CA

2019

- Built embedded Linux software and Python vehicle tests for connected JUMP e-bikes; analyzed large-scale GPS data with Python and SQL to define location-accuracy standards.
- Developed a fleet-operations cost model projected to save approximately \$60M annually.

Washington University in St. Louis

Research Intern, Dept. of EECE

St. Louis, MO

2017

- Ran particle-aggregation simulations on high-performance computing clusters and optimized scientific computing pipelines.

Education

University of Illinois Urbana-Champaign

- Master of Computer Science (**GPA: 3.9 / 4**) 2023
- M.S. Mechanical Engineering (**GPA: 3.9 / 4**); fully funded through teaching and research assistantships 2020

Indian Institute of Technology Bombay

- B.Tech. Mechanical Engineering, Minor in Computer Science (**GPA: 9.3 / 10, Top 5%**) 2018

Skills

Programming and data: Python (pandas, NumPy, PyTorch, CVXPY, Plotly Dash), SQL, database management, Jupyter, C++, MATLAB, PHP; Git

Quantitative: optimization, statistical modeling, machine learning, portfolio construction, risk management, backtesting, time-series analysis; CFA Level I

Infrastructure: Google Cloud Platform, BigQuery, Cloud Composer, Apache Airflow, Cloud SQL, Kubernetes, Linux, MCP